

T o m a s   B a t a   U n i v e r s i t y   i n   Z l í n



A n n u a l R e p o r t 2 0 0 1

T o m a s B a t a U n i v e r s i t y i n Z l í n



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#### List of Commonly Used Abbreviations:

TBU	- Tomas Bata University in Zlín	AC	- The Academia Centre
AS TBU	- The Academic Senate of TBU	MEYPE	- The Ministry of Education, Youth and Physical Education
AS CR	- The Academy of Sciences of the Czech Republic	BC	- The Business College
FT	- The Faculty of Technology	FDU	- Fund for the Development of Universities
FaME	- The Faculty of Management and Economics	NGO	- Non-Governmental Organisations
IIT	- The Institute of Information Technologies	Doc.	- Docent = Czech equiv. for Associate Professor
IAMC	- The Institute of Advertising and Marketing Communications	Ing.	- Inženýr = Czech equiv. for MSc.
HRR	- Halls of Residence and the Refectory	CSc.	- Ph.D. equiv.
CLS	- Central Library Services	akad. mal.	- M.A. equiv.
R&D	- Research and Development	a. s.	- Joint-stock Co. equiv.
		spol. s r. o.-	Ltd. Co. equiv.



## 1. Introduction

*Tomas Bata University in Zlín now has the first year of its existence behind it. This Annual Report summarises the key outcomes and results achieved in the course of its activities over the period in question, i. e. during the calendar year of 2001.*



*Two categories of task were set before the employees of the University in the course of the period herein evaluated.*

*The first category represented tasks, necessary for the future life of the University which needed to be fulfilled immediately after its origin and inauguration. These had, above all, to do with the legislative steps involved in the elaboration of internal rules and regulations, the creation of a fully-functioning university and the covering of those activities that had previously been assured by the Rectorate of the Technical University in Brno. Among such tasks were the establishment of the primary administrative organs of the University: The Academic Senate, the Rector, the Scientific Board and the Board of Directors.*

*The second category of tasks comprised the assuring of the operational needs and requirements of the University and those developmental activities not directly associated with the birth of TBU. This sphere involved projects, which will significantly influence the future of the University - e. g. the bringing on line of the Central Library and its attendant services, the requisite ateliers for the future Faculty of Multimedia Communications and the Refectory, and even the accreditation of the previously mentioned Faculty itself. It is also possible to consider the qualitative changes to the Information Technologies and the number of PC stations introduced into the Central Library and other domains of the University as fundamentally positive steps. Key among the pedagogical success stories were those of the restructuralisation of the University's Studies plans in accordance with the EU's Bologna Declarations and the accreditation of the Doctoral Studies programme of the Faculty of Management and Economics.*

**Professor Petr Sába**  
*Rector*

*Zlín, 16th April, 2002*



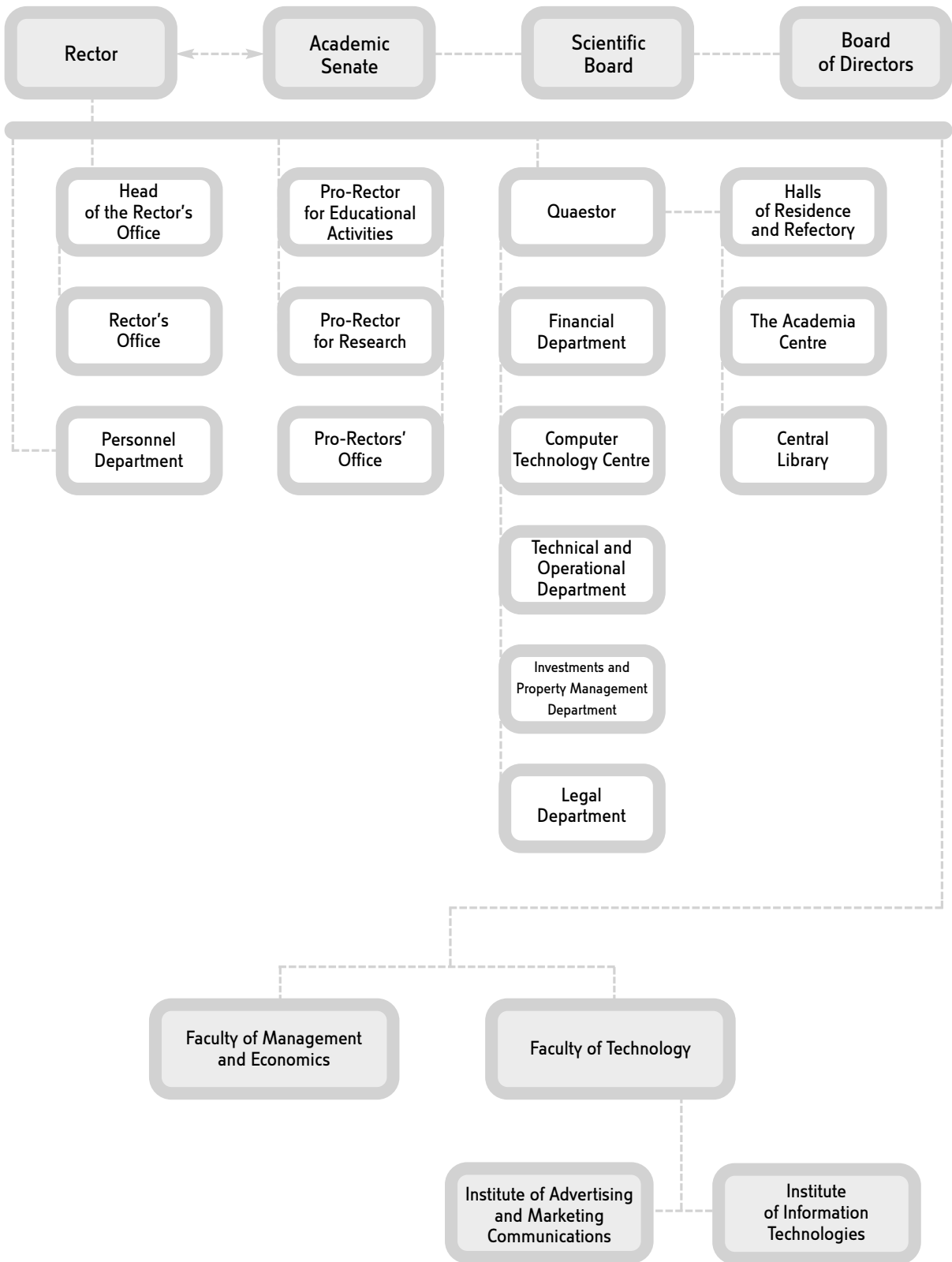
TOMAS  
BATA UNIVERSITY IN ZLÍN  
ET  
CREARE



## 2. University Organisational Structure

### 2.1 University Building Locations





## 2.1 University Building Locations

TBU is located in the following precincts and buildings:

Throughout Zlín:

- |  |                         |   |
|--|-------------------------|---|
| • <b>U1 Building</b>   | nám. T. G. Masaryka 275 | Faculty of Technology   |
| • <b>U2 Building</b>   | Mostní, 5139            | TBU Rectorate,<br>Faculty of Management and Economics,<br>Faculty of Technology |
| • <b>U3 Building</b>   | Růmy, 4046              | Institute of Information Technologies, FT                                       |
| • <b>U4 Precinct</b><br>- <b>U41 and U42 Buildings</b><br>- <b>U43 Building</b><br>- <b>U44 Building</b> | Štefánikova, 2431       | IAMC<br>TBU Central Library<br>Hall of Residence and Refectory                  |
| • <b>U5 Precinct</b>   | Jižní Svahy             | Under reconstruction  |
| • <b>U6 Building</b>   | Štefánikova, 150        | Štefánikova Hall of Residence   |
| • <b>U7 Building</b>   | Antonínova, 4379        | Antonínova Hall of Residence  |
| • <b>U8 Building</b>   | Křiby, 4885             | Accommodation Facilities (temporarily rented)                                   |

External to Zlín:

- |                      |                   |  |
|----------------------|-------------------|--|
| • <b>U9 Building</b> | Portáš, Javorníky | Physical Education and Other Activities<br>Training Centre |
|----------------------|-------------------|--|



Kunstmuseum  
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### 3. Composition and Activities of University Administrative Organs

## **Rector**

Prof. Ing. Petr SÁHA, CSc.

## **Pro-Rectors**

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Pro-Rector for Educational Activities, Statutory Deputy*

Prof. Ing. Vladimír BOBÁL, CSc., *Pro-Rector for Research Activities*

## **Quaestor**

RNDr. Alexander ČERNÝ

## **The Academic Senate**

### **Chairperson**

Ing. Alena MACHÁČKOVÁ, CSc.

### **Deputy Chairmen**

Ing. Pavel ROSMAN, *Chairman of the Chamber of Academic Employees*

Ing. Tomáš HONEK, *Chairman for the Chamber of Students*

### **Academic Staff**

Ing. Zuzana DOHNALOVÁ

Ing. Rahula JANIŠ, CSc.

Ing. Vratislav KOZÁK, Ph.D.

Dr. Ing. Vladimír PAVLÍNEK

Ing. Tomáš SYSALA, Ph.D.

RNDr. Bedřich ZIMOLA

### **Students**

Bc. Michal STANĚK

Bc. Martin TROJAN

Ing. Lukáš VÝLUPEK (to 30. 11. 2001)

Ing. Jiří VERBERGER (from 18. 12. 2001)

Members of the TBU AS, elected by the academic community of TBU in the Elections held on the 21st Feb and the 28th Feb 2001, gathered to sit in the Inaugural Sitting of the 6th March 2001. From that day on and up to the end of 2001, sixteen regular Sittings and one Extra-ordinary Sitting of the TBU AS took place. In the course of the regular Sitting held on the 10th April 2001, elections to nominate a Rector of TBU were held. Immediately upon inauguration, the TBU AS began discussing the TBU budget for 2001 and suggestions for the fundamental structure of the internal rules governing the university - the TBU Statutes. Upon their approval, the TBU AS discussed and approved the Long-term Aims and Objectives of TBU, and approved the Rector's nominations of candidates for the TBU Scientific Board, and further, expressed approval of the Rector's aim to nominate Pro-Rectors. A great volume of the initial endeavours of the TBU AS was represented by the discussion and subsequent approval of the internal rules and regulations intended to govern the running of the Study Programmes, i.e. the Studies and Examinations Rules and Regulations, the Stipendiary Rules and Regulations, and the Disciplinary Rules and Regulations for Students. As regards these internal rules and regulations, the TBU AS exerted every effort to ensure that they would be prepared, submitted, approved and registered by the MEYPE prior to the start of the 2001/2002 academic year. During 2001, the TBU AS also approved the internal regulations for the Codex for the TBU Scientific Board. A further weighty decision of the TBU AS involved the constitution of the new Faculty of Multimedia Communications, with effect from 01. 01. 2002.

## Scientific Board

### Chairman

Prof. Ing. Petr SÁHA, CSc., *Rector, Tomas Bata University in Zlín*

### External Members

Prof. Ing. Ferdinand DEVÍNSKY, DrSc., *Rector, Comenius University, Bratislava, Slovakia*

Prof. Milan KNÍŽÁK, Dr.A., *General Manager, The National Gallery in Prague*

Prof. Ing. Vladimír KUČERA, DrSc., *Dean, Electrical Engineering Faculty, Czech Technical University, Prague*

Prof. RNDr. Milan MAREŠ, DrSc., *Head, Department of the Theory of Information and Automation, Academy of Sciences, Prague*

Doc. Ing. Štěpánka NOVÁKOVÁ, CSc., *Pro-Rector, University of Economics, Prague*

Ing. Pavel PRAVEC, *Manager, Barum Continental, spol. s r. o., Otrokovice*

Prof. Ing. Oldřich PYTELA, DrSc., *University of Pardubice*

Doc. Ing. Karel RAIS, CSc., *MBA, Dean, Faculty of Business, Brno University of Technology*

Ing. Jiří ROSENFELD, CSc., *General Manager, Slovákcké strojírný, a. s., Uherský Brod*

Prof. PhDr. Lubomír SLAVÍČEK, CSc., *Faculty of Arts, Masaryk University Brno*

Prof. PhDr. Jan SEDLÁK, CSc., *Dean, Faculty of Fine Arts, Brno University of Technology*

Doc. Ing. Karel ULBRICH, DrSc., *Head, Department of Macromolecular Chemistry, Academy of Sciences, Prague*

Prof. Ing. Petr VAVŘÍN, DrSc., *Emeritus Rector, Brno University of Technology*

Prof. RNDr. Ing. Jan VRBKA, DrSc., *Rector, Brno University of Technology*

Ing. Radomír ZBOŽÍNEK, *Partner and Director, East Markets, spol. s r. o., Member of the Division: TAJMAC-ZPS, a. s., Zlín*

### Internal Members

Prof. Ing. Vladimír BOBÁL, CSc., *Pro-Rector*

Doc. RNDr. Jiří DOSTÁL, CSc., *Dean, Faculty of Technology*

Prof. Ing. Petr DOSTÁL, CSc., *Head, Department of Control Theory of IIT*

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Pro-Rector*

Prof. Ing. Antonín KLÁSEK, DrSc., *Deputy Dean, Faculty of Technology*

Prof. Ing. Lubomír LAPČÍK, DrSc., *Faculty of Technology*

Ing. Alena MACHÁČKOVÁ, CSc., *Chairperson, AS TBU*

Doc. akad. mal. Jan MEISNER, *Head, IAMC, Faculty of Technology*

Prof. Ing. Zdeněk MOLNÁR, CSc., *Head, Department of Informatics and Statistics*

Doc. PhDr. Vnislav NOVÁČEK, CSc., *Deputy Dean, Faculty of Management and Economics*

Doc. PhDr. Dušan PAVLŮ, CSc., *IAMC, Faculty of Technology*

Doc. Ing. Roman PROKOP, CSc., *Vice-Dean, Faculty of Technology*

Prof. PhDr. Vlastimil ŠVEC, CSc., *Faculty of Management and Economics*

Prof. Ing. František TRNKA, CSc., *Dean, Faculty of Management and Economics*

Doc. Ing. Vladimír VAŠEK, CSc., *Head, IIT, Faculty of Technology*

The Scientific Board of TBU met on one occasion - 7th Nov 2001, during the period in question. They were familiarised with the University's strategies regarding the structure of TBU, and issues concerning Personnel, Educational, and R&D activities as well as location and layout developments and the Long-term Aims and Objectives of TBU in Zlín.

## The Board of Directors

### Chairman

Mr. Tomas BATA, Dr. Honoris Causa

### Deputy Chairpersons

PhDr. Zdeněk DOSTÁL, *Lord Mayor of Zlín*

Ing. Michaela ŠOJDROVÁ, *Member of Parliament of the Czech Republic*

### Members

Ing. Josef KUBÍČEK, *Quaestor, Charles University, Prague*

Irena ONDROVÁ, *Senator, Parliament of the Czech Republic*

Doc. Ing. Josef PRŮŠA, CSc., *Deputy Minister, MEYPE of the Czech Republic*

Ing. František SLAVÍK, *Governor, Zlín Region, the Czech Republic*

JUDr. Pavel TELIČKA, *1st Deputy Minister, Ministry of Foreign Affairs of the Czech Republic*

Doc. Ing. Jiří VOLF, *Deputy Minister, Ministry of Finance of the Czech Republic*

### Head of the Rector's Office

Ing. Oldřich RYBAŘÍK (*to 31. 10. 2001*)

Ing. Andrea KADLČÍKOVÁ (*from 1. 11. 2001*)

The Board of Directors sat on two occasions during the period in question. The first, and inaugural, was devoted to their fundamental duties - the approval of the Statutes of the Board of Directors of TBU, and establishing the functional length of service for individual members. Mr. Tomas Bata, Dr.H.C. was elected unanimously as Chairman of the Board of Directors, and PhDr. Zdeněk Dostál and Ing. Michaela Šojdrová were elected as Deputy Chairpersons. The Board of Directors was then briefed on the situation pertaining at the new University. They were interested in the actual state of affairs of the legislative steps, the Personnel structures, the Educational and R&D Activities, and the Tangible and Intangible Assets of TBU. Equally, they devoted their attentions to the financial structures, developmental investment aims, and their prioritisation. The Members of the Board of Directors were also presented with the TBU Long-term Aims and Objectives covering the period of 2001 - 2005 for their comments.

The second sitting of the Board of Directors concentrated on information about the development and evolution of the University; the state of affairs regarding the investment programmes - including the prepared construction of the University's new precincts on the Jižní Svahy area; the Studies and Educational activities; and about developments in the areas of Research, Development and Artistic Activities. The Board of Directors dealt with legislative questions and approved property rights issues, especially the purchase of civilian buildings.

### The Rector's Collegium - Advisory Body

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Pro-Rector for Educational Activities, Statutory Deputy*

Prof. Ing. Vladimír BOBÁL, CSc., *Pro-Rector for Research, FT*

RNDr. Alexander ČERNÝ, *Quaestor*

Ing. Alena MACHÁČKOVÁ, CSc., *Chairperson AS TBU*

Prof. Ing. František TRNKA, CSc., *Dean, FaME*

Doc. RNDr. Jiří DOSTÁL, CSc., *Dean, FT*

Ing. Oldřich RYBAŘÍK, *Head, Rector's Office (to 31. 10. 2001)*

Ing. Andrea KADLČÍKOVÁ, *Head, Rector's Office (from 1. 11. 2001)*



## 4. Educational Activities



In the course of 2001, Full-time and Combined forms of Studies at the Bachelor's, Master's, and Doctoral levels in the areas of Technical Sciences, Economics and Management, and Fine Arts were offered at TBU. Overall, some 23 Courses in 14 accredited Studies

Programmes took place. All these Study Programmes were newly accredited or re-accredited within the sense of the Bologna Declaration, as inter-linked two or three-degree level studies i.e. Bachelor's, Master's and Doctoral Degrees (3 + 2 + 3).

## Numbers of Study Programmes and Courses at TBU

Table No. 1

Courses	Study Programmes /Courses			Total No of Study Prog./Courses
	BSc.	MSc.	Doctoral	
Technical Sciences and Theoretical Subjects	4/6	2/5	2/2	8/13
Economics	2/4	1/1	1/1	4/6
Cultural and Arts-related Sciences and Theoretical Subjects	1/2	1/2		2/4
<b>Total</b>	<b>7/12</b>	<b>4/8</b>	<b>3/3</b>	<b>14/23</b>

In this sense, innovation of the existing study programmes has been carried out and these have been expanded by new opportunities to study both in the classic Full-time as well as Part-time Combined forms of studies in line with labour market requirements. These were in Engineering Informatics, Materials Engineering, Chemistry and Process Engineering, Management and Economics, Public Sector Administration and Regional Development, and Advertising and Marketing Communications. In the interest of expanding places offered to those interested in the domains of Economics and Technology at TBU, the Bachelor's Degree programme offered by the Business College in Zlín in the disciplines Marketing, the Financial Management of Enterprises and Shoemaking Technologies is guaranteed by the university.

A further direction in which new study opportunities have been oriented, is Engineering Informatics. New study programmes and a range of Continuous Education programmes have been developed after consultation with the Zlín Region's Department of Education to meet the current and future educational development needs of the Region. These are divided into two areas, for teachers of Informatics, chemistry, and Technological and Economics-based disciplines

as well as for Continuous Education needs. These also include programmes designed for the University of the Third Age - i. e. for for Senior Citizens.

During 2001, the necessary legislative, technical and personnel groundwork was laid so that the third faculty - the Faculty of Multimedia Communications could be accredited by 1. 1. 2002 as decreed by Law.

The Faculties devote a great deal of attention to attracting high-quality candidates. As a significant token of their efforts, they regularly organise Open Day events and participate in the Gaudeamus University Trade Fair held in Brno every year. TBU - as a newly constituted entity, participated at the Trade Fair for the first time in 2001.

All study programmes offered at TBU use a Credit system that is fully compatible with the European Credit System (The European Credit Transfer System - ECTS). This credit system is perceived to be one of the essential preconditions for the University to enter the European Student Mobility Programme.

Buildings U2 and U4 have been adapted and equipped with all the necessary technical equipment required, enabling studies by disabled students at TBU.

## Interest Shown in Studies at TBU

Table No. 2

Courses	Number				
	Applications Received <sup>1)</sup>	Applied <sup>2)</sup>	Accepted <sup>3)</sup>	Accepted <sup>4)</sup>	Registered <sup>5)</sup>
Technical Sciences and Theoretical Subjects	875	875	875	637	378
Economics	2,557	2,557	2,557	814	650
Cultural and Arts-related Sciences and Theoretical Subj.	523	523	523	150	123
<b>Total</b>	<b>3,955</b>	<b>3,995</b>	<b>3,995</b>	<b>1,601</b>	<b>1,151</b>

1) Number of all applications received

2) Number of Candidates. Data expresses the total number of entries

3) Number of positive replies to applications

4) Number of candidates accepted. Data expresses the total number of entries

5) Number of candidates, actually registered for studies. This number corresponds to "New Students"

## Student Numbers at TBU

Table No. 3

Courses	Study Programmes / Courses			Students Total
	BSc.	MSc.	Doctoral	
Technical Sciences and Theoretical Subjects	559	469	102	1,130
Economics	1,511	359	44	1,914
Cultural and Arts-related Sciences and Theoretical Subj.	305	109		414
<b>Total</b>	<b>2,375</b>	<b>937</b>	<b>146</b>	<b>3,458</b>

## Numbers of Foreign Students at TBU - Including Students from Slovakia

Table No. 4

Courses	Study Programmes / Courses			Students Total
	BSc.	MSc.	Doctoral	
Technical Sciences and Theoretical Subjects	8	24	2	34
Economics	51	2	0	53
Cultural and Arts-related Sciences and Theoretical Subj.	10	5	0	15
<b>Total</b>	<b>69</b>	<b>31</b>	<b>2</b>	<b>102</b>

## Number of Graduates from TBU

Table No. 5

Courses	Study Programmes / Courses			Graduates Total
	BSc.	MSc.	Doctoral	
Technical Sciences and Theoretical Subjects	44	124	9	177
Economics	173	169		342
Cultural and Arts-related Sciences and Theoretical Subj.	63	0	0	63
<b>Total</b>	<b>280</b>	<b>293</b>	<b>9</b>	<b>582</b>

Univerzita Tomáše Bati  
Tomás Bata University





## 5. Information and Communication Technologies

### 5.1 Status of Computer, Information and Communication Technologies

All the properties at TBU are interconnected with fibre-optic cables with a capacity of 12 fibres MM (for interconnection of the internal telecommunications network) and 8 fibres SM (for interconnection of the data network). The backbone of the University computer network is based on using the exploitation of gigabit technologies using the active elements of the Cisco Catalyst system. In order to increase throughput, a more efficient and powerful central active element - a gigabit Ethernet L3 Catalyst 4908G-L3 switching device, was purchased in 2001.

The U2 building houses the POP (Point of Presence) for the CESNET2 academic network, currently equipped with an LS 1010 switching device, a Cisco 3640 router and a Catalyst 3524 XL switching device. The POP is connected to the University's core network with cabling with a capacity of 1 Gbit/s.

The University's computer network is connected to CESNET2 - the statewide academic computer network of the Czech Republic, with an access speed of 34 Mbit/s. 2001 saw the continuation of the building-in of the local computer network connecting the individual buildings of TBU. The project: FDU\* 0105/2001 *Build-in of a LAN Network for the Faculty of Management and Economics Property*, saw the completion of a structured Category 7 cable network (including active elements supporting Fast

Ethernet 100 Mb/s protocols) throughout the U2 building. Another project: (FDU 0055/2001) *Extending the Computer Network to the University Halls of Residence in Zlín*, was the construction of a structured Category 5 cable network at the Antonínova Hall of Residence and the purchase of active elements for the Štefánikova Hall of Residence. The U4 precinct has seen the construction of a structured Category 7 cable network as a fundamental part of the overall reconstruction and renovation of the four properties making up the site.

Three new central servers were purchased in 2001 - one for the Library's T-Series Information System, one for the Verso Information System (Publication and R&D Record-keeping) and a central server for the access system.

Upgrades of the operational system for the Accounts and Finance Department's server, the Web (www.) server and to the three data-servers for the Novell Network Operating System were carried out in the course of the year.

In the course of 2001, more than 760 computers (321 in the Computer Labs) were connected to the University computer network. The University Halls of Residence have a capacity of 350 connection ports, and currently, over 140 students have their own computers or notebooks connected to the network.

The following Tables provide an overview of the numbers of computers connected to the TBU network by building.

Overall Number of Computers On-line in Buildings at TBU

Table No. 6

Building	PCs in Labs and Study-rooms	PCs - Employees
U1 (FT)	22	150
U2 (Rectorate, FaME, FT)	140	210
U3 (IIT FT)	24	35
U4 (IAMC FT, CL, Refectory)	135	45
<b>Overall</b>	<b>321</b>	<b>440</b>

Ports and Number of Computers On-line in Halls of Residence at TBU

Table No. 7

Building	Capacity of connection ports	PCs connected in rooms
U7 (Antonínova Hall of Residence)	115	53
U6 (Štefánikova Hall of Residence)	235	91
<b>Overall</b>	<b>350</b>	<b>144</b>

In 2001, with the MEYPE's assistance and support and through Public Tender, 160 new computer systems were purchased for the Computer Labs, Study-rooms and for employees of TBU. Apart from this order, an additional 10 brand-name notebooks and 20 computer systems were also purchased. Employees' computers operate using the Windows 98 (90 %) and MS Office 2000 (10 %) operating systems.

Three Computer Labs were completely modernised - 43 obsolete workstations were replaced by new ones. One Computer Lab was equipped with modern presentation technology. A new Internet Studyroom was created in the Central Library in the U4 Building, and equipped with computer terminals with a current capacity of 70 workstations. A component of this Internet Study-room is also an efficient modular support unit, with a photocopier, a networked printer and a scanner. The Windows NT or Windows 2000V operating systems are installed in the Computer Labs and Study-rooms.

The year-end saw the conclusion of a User Licensing Contract - the Microsoft Campus Agreement, which not only legalised but also fundamentally simplified the use of Microsoft products on the University grounds.



## 5.2 External and Internal Information Resources at TBU

The key information resources and systems operating at TBU are:

- The EkonFiS financial-administrative I. S.
- The Student Studies I. S.
- The University Web (www) pages
- The T Series Library I. S.
- The Verso I. S. for recording evidence of publication and scientific research activities
- The Student and Employee Access and ID Card system
- The EkonFiS management M. I. S.
- The Menza 2000 catering management I. S.
- The Halls of Residence and Refectory I. S.

Accessibility to internal information resources is by Access Rights for users of the University databases.

Data contained in the modules of the EkonFiS I. S. system are elaborated centrally in the Rectorate sub-departments. Other users are granted differentiated access to the appropriate individual modules, or as appropriate, to selected sections and can only read the data. Furthermore, the MIS system is interlinked with the EkonFiS system, enabling the breakdown of Financial, Personnel issues and Wages, Salaries and Remunerations data. Data in the Student IS system is processed by designated personnel of the individual

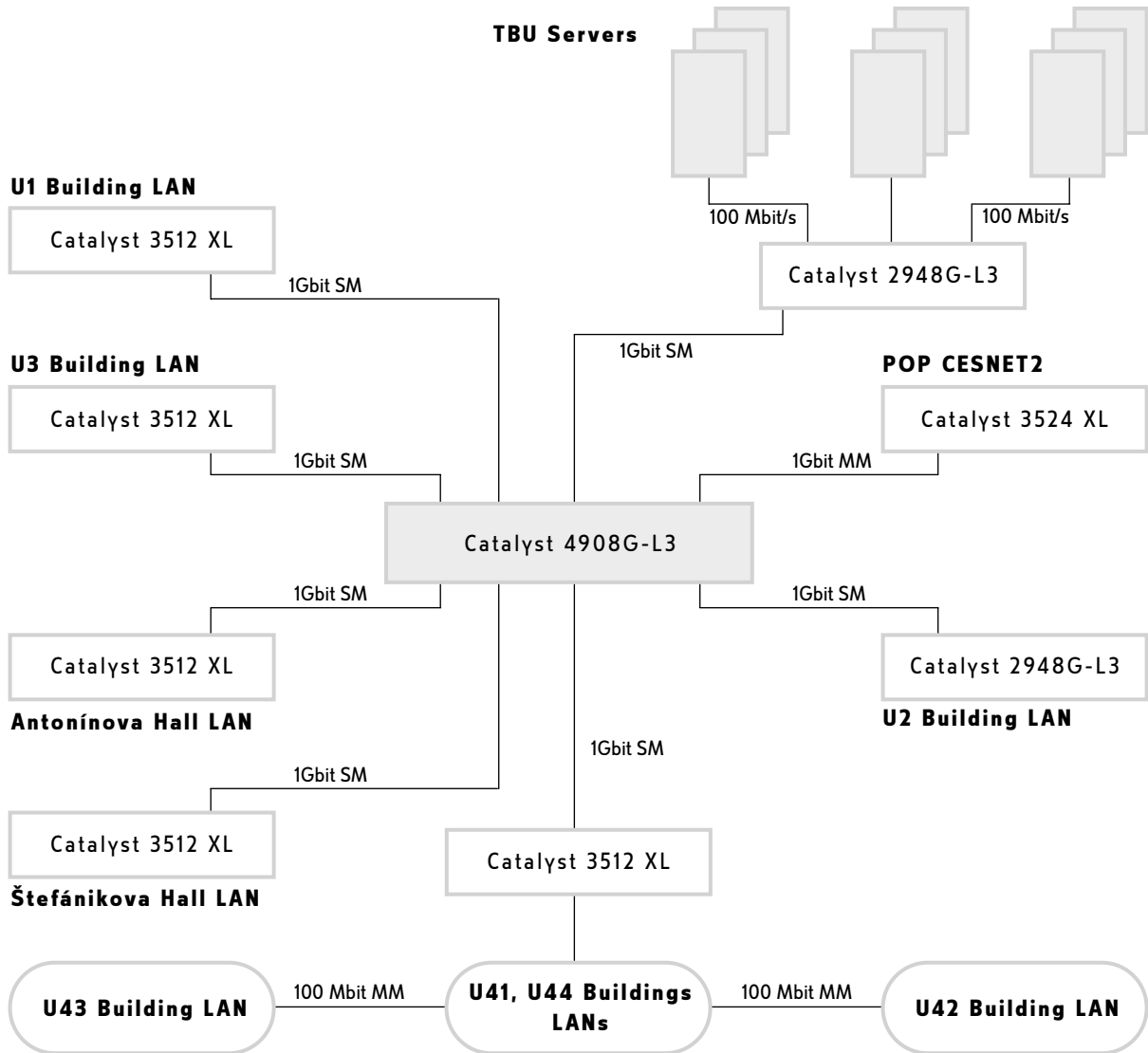
Faculties Studies Departments process data for the Students. Secretaries have only limited access.

At the beginning of 2001, the new University web server was brought on-line. It provides a wide range of information to the General Public, and information to the students and employees of the University. The Faculties gradually assumed the administration of information provision about their own institutions. Part of this information is derived from the University's EkonFiS and Student information systems.

In line with the Law of High Schools and Universities, students and staff were issued with new ID cards -personalised "smart cards" before the beginning of the 2001-2002 academic year. These serve not only for identification, but can also be used for borrowings from the library, for "paying" for meals in the Refectory and for enabling authorised persons access to buildings.

The Verso IS was purchased at the end of 2001, in order to facilitate tracking and record keeping of publication and research activities undertaken at TBU. It is planned be brought fully on-line in the course of 2002, and one of the aims is to simplify the provision of data to the CEP, CEZ and RIV central databases.

## Topology of the Core Computer Network at TBU in Zlín



2001 was a year of transitions, in which the T-Series Library Information System replaced the IS Rapid Library system. The modules of the new system were progressively implemented. A personalised ID card governs all access to the library, the Internet Study-room as well as to the library information system.

The Halls of Residence have been using the Halls of Residence and Refectory information system for a number of years to manage the accommodation needs of the students and the Hotel Operations within

the Students Halls of Residence. In connection with the transition to new catering technologies, the Refectory changed to the Menza 2000 IS system enabling order-free catering and charging using only the student's or employee's ID card.

The use of electronic postal services is standard at the University; each student is provided with their own e-mail address and data storage space.

The FT and FaME faculties persevered in their efforts to digitalise and implement synchronised tuition within the context of establishing a "Virtual University".





## 6. Research, Development and Artistic Activities

- 6.1** Orientation of Research, Development and Artistic Activities
- 6.2** Organisational, Personnel, and Material Aspects of R&D Activities
- 6.3** International Collaboration in Research and Development
- 6.4** Collaboration with the AS CR, with R&D Institutions, and the NGO Sector
- 6.5** Research Aims, Financial Resources, Evaluations
- 6.6** Utilisation of Institutional Resources for Unspecified Research



## 6.1 Orientation of Research, Development and Artistic Activities

At the present time, TBU has one Research Centre operating at FT - the Polymer Centre, oriented on research conducted into polymer materials and processes. Further research units are in the preparatory phase. Research development activities at TBU are oriented above all on the areas of Basic and Applied Research, and mainly put into practice through commercial agreements (with the participation of industry interests).

So as to increase the effectiveness of R&D activities, TBU has elaborated the following priorities:

- To achieve higher productivity in R&D activities
- To support R&D activities within the framework of the Doctoral Studies programmes

- To support international R&D collaborative projects
- To gain R&D-oriented workers from abroad
- To deepen collaborative efforts with universities and the Czech Academy of Sciences Institutes
- To support collaboration with industries
- To improve the working and social conditions for students of the Doctoral Studies programmes and for all R&D-oriented employees

R&D activities take place within the framework of the Faculties of TBU. The basic range of R&D activities at FT are outlined in Chapter 10.1, and for FaME in Chapter 10.2.

## 6.2 Organisational, Personnel, and Material Aspects of R&D Activities

Faculties' R&D activities are organised within the departments, institutes and their workplaces dependent upon their orientation. At TBU, some 21 Professors, 22 Docents (Associate Professors), 78 Senior Lecturers (Readers) and Lecturers, 4 Research Workers and 66 Doctoral Studies programme students take part in R&D activities in total. The actual personnel structure and

organisation of each R&D collective is related to the activities, aims, and objectives of the MEYPE and grant-maintained projects in general.

Financing of such activities is through institutional dotations for non-specific R&D activities and the resources so gained. The departments also gain part of their financial resources in support of applied research from the commercial sphere.

## 6.3 International Collaboration in Research and Development

Since 2001, FT TBU has shared in the solution of the project set in the 5th EU Framework Programme: *The Development of Recycling Technologies for the Processing of Raw Hides by the Leather-working Industry i. e. (Radical Environmentally Sustainable Tannery Operation by Resource Management -RESTORM)*. Furthermore, it has participated in the solution of two Kontakt programme

projects: *Study of the Enhancement of the Compatibility of Polyolefin-based Materials Through Radiation Processing and The Physical Aging of Polymers*.

The individual Departments, Institutes and workplaces of the Faculties at TBU collaborate with more than sixty foreign partners in all. More details are given in Chapters 10.1 and 10.2.

## 6.4 Collaboration with the AS CR, with R&D Institutions, and the Non-Governmental Organisational Sector

The individual Departments, Institutes and work-places of the Faculties at TBU collaborate with the following Institutions of the Academy of Sciences of the Czech Republic, Prague:

- The Institute of Macromolecular Chemistry
- The Institute of the Theory of Information and Automation
- The Institute of Hydro-dynamics
- The Institute of Physics

### Collaboration with other research institutions and resorts:

- The Bast Fibres Research Institute, s. r. o., Šumperk
- The Czech Geological Institute, Prague
- The Institute for Testing and Certification, a. s., Zlín
- The Polymer Institute, s. r. o., Brno
- SPUR, a. s., Zlín

Collaboration is conducted on the basis of joint grant projects, publications and in the domain of R&D-oriented education and training. Similar activities are being developed with a range of industrial enterprises.

## 6.5 Research Aims, Financial Resources, Evaluations

The following MEYPE R&D projects have been conducted at TBU:

### At the Faculty of Technology:

- New Technologies and Ecological Trends in the Processing of Natural Polymers, MSM 265200014
- Progressive Polymer Systems and Technologies, MSM 265200015
- The Automation of Technologies and Manufacturing Processes, MSM 281100001

### At the Faculty of Management and Economics:

- Research Into the Competitive Abilities of Czech Industrial Manufacturing Enterprises, MSM 265300021

In 2001, successful evaluation controls of the above research projects were conducted, and the Ministry recommended the continuation of their financing in 2002.

An overview of the R&D projects conducted at TBU, together with their allocations of financial resources for 2001 and the outcomes of their evaluation controls are given in Table No. 8.

### MEYPE R&D Projects Solved at TBU

Table No. 8

Project Code	Total Dotation in Thous. CZK	Non-investment	Investment	Detailed Evaluation	Overall Evaluation
265200014	3,650	1,998	1,652	A, A, A, B	B
265200015	11,627	7,095	4,532	A, A, A, A	A
281100001	1,700	1,452	248	C, B, B, C	C
265300021	2,796	2,376	420	A, A, B, B	B
<b>Total</b>	<b>19,773</b>	<b>12,921</b>	<b>6,852</b>	-	-

### Involvement in International Programmes

Table No. 9

Programme	OE	OC	OK	LA	ME
Number of Projects	-	-	1	-	2
Volume of Financial Resources in Thous. CZK	-	-	50	-	257

## Involvement in Other Programmes

Table No. 10

Programme	GA CR	GA AV CR	Internal Programmes	Other Resorts	Other
<b>Number of Projects</b>	10	1	-	2	-
<b>Volume of Financial Resources in Thous. CZK</b>	3,230	114	-	1,050	-

### Legend:

GA CR Grant Agency of the CR  
GA AV CR Grant Agency of the Academy of Sciences, CR

### Other Resorts:

OE EUREKA Development Programme  
OC COST Development Programme  
OK 5th EU Framework Development Programme  
LA International Non-Governmental Organisations (INGO)  
ME KONTAKT Development Programme  
FRVŠ Fund for the Development of Universities, CR

In 2001, UTB in Zlín acquired some 4,701 thous. CZK (Kč) through its involvement in R&D projects, supported from tasked resources of the State's National Budget - not counting MEYPE R&D projects.

## 6.6 Utilisation of Institutional Resources for Unspecified Research

In 2001, the MEYPE allocated the University some 11,071 thous. CZK so-called institutional (financial) resources for unspecified research purposes. Of the amount shown above, 1 million CZK were allocated to the Internal Fund for R&D Activities (supporting the publishing of scientific papers, the purchase of software with applications for the whole university, contributions to the organisation of conferences, and the support of the development of the library and study-rooms). A further 1 million CZK were allocated for the acquisition of scientific and technical informational resources (e.g. information databases, centrally organised purchases of magazines, and technical improvements to the Library's computer technology infrastructure). The remaining resources for non-specific R&D purposes were then allocated among the Faculties according (to the MEYPE algorithm) in the following manner:

- 40 % to the Dean's Fund
- 30 % to the Fund for the Doctoral Students
- 30 % to those involved in solving R&D projects

### The Faculty of Technology

The FT was allocated the sum of 8,971 thous. CZK, which was sub-divided and utilised as follows:

- The Dean's Fund (3,589 thous. CZK) was used for repairs to laboratories, equipping departments, information and computer systems, language

courses for employees, publication costs, membership dues in prestigious foreign academic Societies, in the support of participation in conferences abroad, and for personal costs incurred by the activities of the Professors and Associate Professors in projects.

- The Fund for the Support of the Doctoral Students (2,691 thous. CZK) was invested into the payment of costs for lectures conducted by external experts, on students' scientific conferences, supporting contacts abroad and the participation of students in conferences abroad, in literature for the students, language courses for the students, and for the equipping of the laboratories of a non-investment nature.
- R&D projects (2,691 thous. CZK) - these were used by those involved in R&D projects, who, through their projects, shared in the creation of these dotations which served as supporting financial resources for the solution of current projects and the preparation of new projects.

### The Faculty of Management and Economics

FaME was allocated the amount of 100 thous. CZK, which was used for the purchase of professionally-oriented literature, payments of participation in professional conferences, and reimbursing personal costs incurred in the support of R&D activities.



## 7. Academic Staff

### Age Structure of the Academic Staff

Table No. 11

Age	Pedagogical Employees					R&D Workers
	Professors	Docents	Senior Lecturers	Assist. Lecturers	Lecturers	
To 29	0	0	5	21	0	1
30 - 39	0	2	17	12	0	1
40 - 49	0	7	30	3	0	1
50 - 59	9	18	28	0	0	0
60 - 69	13	12	7	0	0	1
Over 70	3	2	0	0	0	0

### Number of Internal and External Academic Staff

Table No. 12

Number of Internal Staff	189
Number of External Staff	93

#### Habilitation and Nomination Procedures in 2001

There were no Habilitation or Nomination Procedures at TBU during 2001, since such activities have yet to be accredited by the appropriate authorities. Of the members of the TBU academic community, only one employee of FaME - Doc. PhDr. Ing. Aleš Gregar, CSc., successfully defended his Habilitation Thesis at the Faculty of Business, Brno University of Technology.



## 8. Evaluation of the Activities of TBU

In the interests of continuously increasing the quality of the educational and R&D activities, TBU devotes great attention to the evaluation of the qualities of its services. The content, forms and conditions of the evaluation processes are delimited in the Statutes of TBU and the Long-term Aims and Objectives of TBU for the period: 2001 to 2005.

The Faculty of Management and Economics and the Faculty of Technology successfully passed externally conducted Educational Quality evaluations by the Czech Accreditation Commission in connection with the evaluation of their request applications for the accreditation or re-accreditation of their Study Programmes. FaME was successful in gaining accreditation of its newly instituted Doctoral Studies Programme: Economics and Management.

External evaluations of the activities of the Faculties in the course of 2001 were also realised in connection with the Evaluation Process to Assess the Results and Outcomes of R&D Projects. The majority were

evaluated as Very Good, Table No. 8. Conclusions to be drawn from these evaluations were discussed and suitable measures undertaken at the Deans of Faculty level.

Equally, the level of the quality of the education provided at the Faculties is judged by the results of the students' oral defences and the State Final Examinations at the Bachelor's, Master's, and Doctoral Study Programmes.

Internal evaluation of the quality of the education provision was concentrated on the fulfilment of the conclusions enumerated in the Accreditation Reports for the individual study programmes. Great attention was devoted to regular assessment of the subjects by the Faculties as well as by students themselves. The students' assessments were assured with the close cooperation of representatives of the Students Union.

From the perspective of the assessment of its own activities, TBU has set these priorities:

- Achieving a significant standing for TBU in the Region
- Achieving a good rate of Graduate placement
- Encouraging interest in studying at TBU
- Improving the academic staff qualifications structure
- Building interest in the Region about working with the University
- Developing Continuous Education
- Participation in development and transformational projects

UTB considers its weak aspects to be:

- The age structure of its Professors and Docents (Associate Professors)
- The low level of the social valuation of the staff
- The limited placement capacity
- The unfinished building up of infrastructure assets in the Region
- The rapid, dynamic evolution of TBU in relation to Quality issues
- The lack of sufficient financial resources for the adequate development of quality education, R&D activities, and infrastructures at TBU

## 9. International Collaboration in Educational Activities



In 2001, TBU became involved in the EU Socrates and Erasmus programmes. Ten bilateral contracts were sealed with universities of the countries of the European Union (3 - Finland; 3 - Great Britain; 1 - Portugal; 1 - Italy; 1 - Sweden; 1 - Germany). Based on these contracts, an institutional contract for the academic year of 2002/2003 was elaborated between TBU and the European Commission governing the administration of educational programmes under the aegis of the EU in Brussels.

Within the framework of the educational programme of the EU, in the course of 2001 two Erasmus programmes, two Leonardo da Vinci programmes, and one CEEPUS programme were completed (Table No. 13).

Some 56 students of the Doctoral Studies Programmes and 11 pedagogical staff travelled abroad on sabbaticals or to international conferences in the course of the assessed period. TBU hosted five students and also five pedagogical staff from foreign universities on sabbaticals.

EU Programmes for Education and Professional Preparation

Table No. 13

Programme	Socrates					Leonardo	CEEPUS
	Erasmus	Comenius	Grundtvig	Lingua	Minerva		
Number of Projects	2	0	0	0	0	2	1
Number of Students Sent Abroad	0	0	0	0	0	0	3
Number of Accepted Students	0	0	0	0	0	0	5
Number of Academics Sent Abroad	3	0	0	0	0	6	2
Number of Accepted Academics	0	0	0	0	0	2	3



## 10. Activities of the Faculties and Other Departmental Entities

- 10.1 Faculty of Technology (FT)
- 10.2 Faculty of Management and Economics (FaME)
- 10.3 TBU Central Library
- 10.4 Halls of Residence and Refectory
- 10.5 The Academia Centre

## 10.1 Faculty of Technology

### **Address:**

Tomas Bata University in Zlín, Faculty of Technology, nám. T. G. Masaryka 275, 762 72 Zlín  
Tel. 00420 +67 +754 1120, <http://www.ft.utb.cz>

### **Dean**

Doc. RNDr. Jiří DOSTÁL, CSc.

### **Vice Deans**

Prof. Ing. Antonín KLÁSEK, DrSc.

*Vice Dean for Research, Development, and Artistic Activities, Statutory Deputy*

Doc. Ing. Roman PROKOP, CSc.

*Vice Dean for Educational Activities*

Doc. Ing. Stanislav KAFKA, CSc.

*Vice Dean for External Relations and Development*

### **Academic Senate**

Ing. Tomáš SYSALA, Ph.D., *Chairman*

### **Scientific Board**

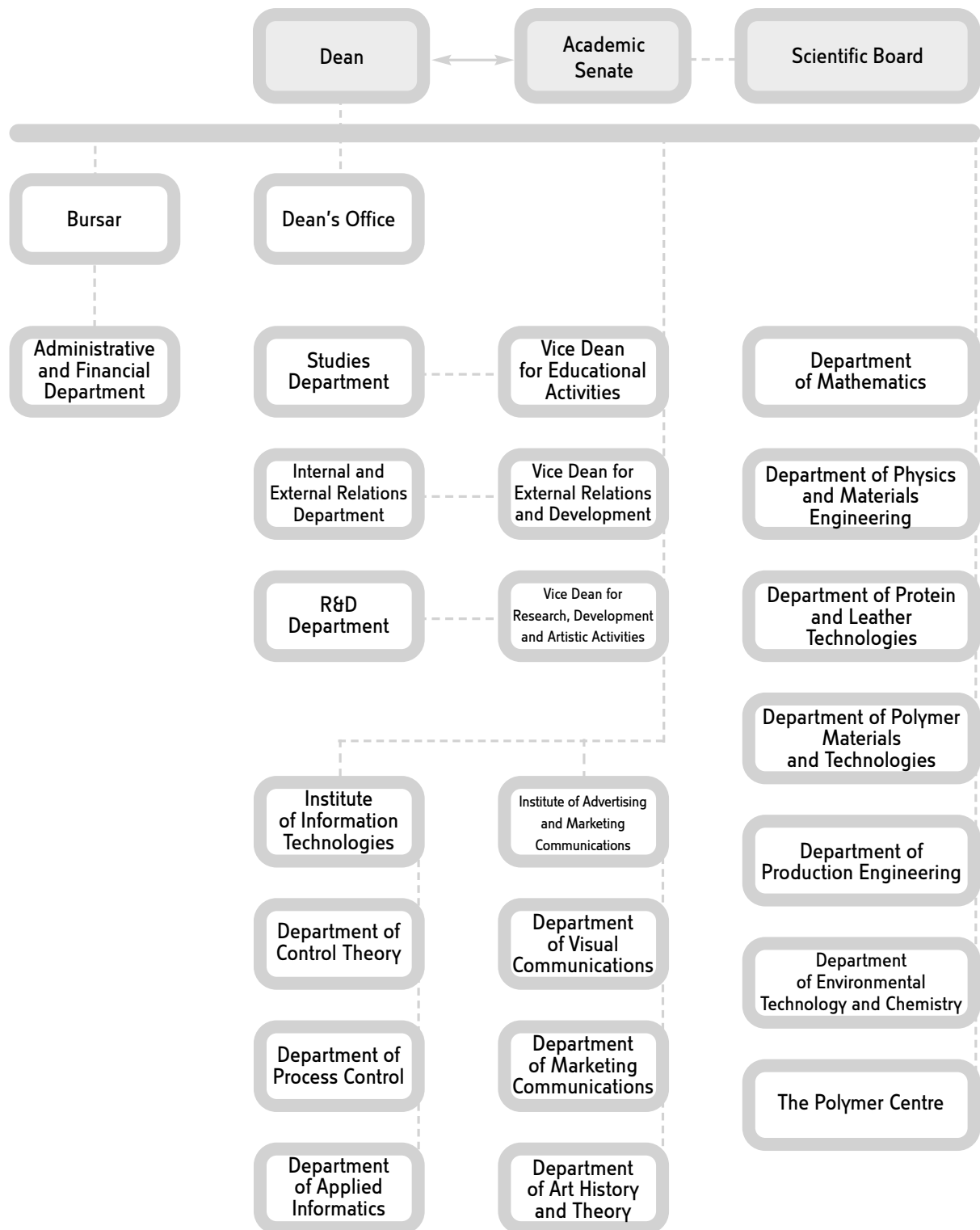
Doc. RNDr. Jiří DOSTÁL, CSc., *Chairman*

### **Bursar**

Ing. Jan JANDÍK



## 10.1.1 Organisational Structure





## 10.1.2 Departments, Institutes and Research Centres

### **Department of Physics and Materials Engineering**

Head: Doc. Ing. Lubomír LAPČÍK, CSc.

### **Department of Mathematics**

Head: Doc. RNDr. Josef ZEDNÍK, CSc.

### **Department of Polymer Materials and Technologies**

Head: Doc. Ing. Josef ŠIMONÍK, CSc.

### **Department of Proteins and Leather Technologies**

Head: Doc. Ing. Petr HLAVÁČEK, CSc.

### **Department of Environmental Technologies and Chemistry**

Head: Doc. Ing. Jaromír HOFFMANN, CSc.

### **Department of Production Engineering**

Head: Doc. Ing. Miroslav MAŇAS, CSc.

### **Institute of Information Technologies**

Head: Doc. Ing. Vladimír VAŠEK, CSc.

### **Institute of Advertising and Marketing Communication**

Head: Doc. akad. mal. Jan MEISNER

### **The Polymer Centre**

Head: Prof. Ing. Petr SÁHA, CSc.

## 10.1.3 Study Programmes

### **Bachelor's Degree Programmes:**

2808-R Chemistry and Materials Technology

Full-time and Combined Studies

#### *Courses:*

Shoe and Leathergoods Technologies - Guaranteed by TBU, taught by The Business College in Zlín  
Technology and Management  
Combined Studies

2807-R Chemical and Process Engineering

Full-time and Combined Studies

#### *Course:*

Automation and Process Control

3902-R Engineering Informatics

Full-time and Combined Studies

#### *Courses:*

Automatic Control and Informatics  
Information Technologies

3909-R Process Engineering

Full-time Studies

#### *Course:*

Technological Equipment

8206-R Fine Arts

Full-time and Combined Studies

#### *Courses:*

Advertising  
Marketing Communications

### **Master's Degree Programmes:**

2808-T Chemistry and Materials Technology

Full-time and Combined Studies

#### *Courses:*

Environmental Protection Technologies  
Shoe and Leathergoods Technologies  
Protein Technology  
Materials Engineering  
Polymeric Materials and Technologies  
Technology and Management

3909-T Process Engineering

Full-time Studies

*Courses:*  
 Design of Technological Devices and Equipment  
 Production Engineering  
 Quality Control

3902-T Engineering Informatics  
 Full-time Studies

*Course:*  
 Information Technologies

2807-T Chemistry and Process Engineering  
 Full-time and Combined Studies

*Course:*  
 Automatisation and Process Control

8206-T Fine Arts  
 Full-time and Combined Studies

*Courses:*  
 Advertising  
 Marketing Communications

**Doctoral Studies programmes:**

2807-V Chemical and Process Engineering  
 Full-time and Combined Studies

*Course:*  
 Technical Cybernetics

2808-V Chemistry and Technology of Materials  
 Full-time and Combined Studies

*Course:*  
 The Technology of Macromolecular Substances

**Applicant Interest in the Bachelor's Degree Programmes at FT in 2001/2002**

*Table No. 14*

Courses	Code	Number			Actually Started
		Applications	Sat the Entry Exams	Accepted into 1st Year Bachelor's Programme	
CHMT	2808	355	281	256	149
CHPE	2807	112	84	80	41
EI	3902	289	226	216	132
PE	3909	119	99	85	56
FA	8206	523	490	150	123
<b>TOTAL</b>		<b>1,398</b>	<b>1,180</b>	<b>787</b>	<b>501</b>

**Number of Students at FT**

*Table No. 15*

Courses	Code	Study Programme			Students Overall
		Bachelor's	Master's	Doctoral	
CHMT	2808	210	347	72	629
CHPE	2807	106	122	30	258
EI	3902	178	-	-	178
PE	3909	65	-	-	65
FA	8206	305	109	-	414
<b>TOTAL</b>		<b>864</b>	<b>578</b>	<b>102</b>	<b>1,544</b>

## Number of Foreign Students at FT – Including Students from Slovakia

Table No. 16

Courses	Code	Study Programme			Students Overall
		Bachelor's	Master's	Doctoral	
CHMT	2808	-	23	1	24
CHPE	2807	-	1	1	2
EI	3902	7	-	-	7
PE	3909	1	-	-	1
FA	8206	10	5	-	15
<b>TOTAL</b>		<b>18</b>	<b>29</b>	<b>2</b>	<b>49</b>

Note: Data shown in these Tables is true to 31. 10. 2001.

## Graduate Numbers from FT

Table No. 17

Courses	Code	Graduates at Study Programme			Graduates Overall
		Bachelor's	Master's	Doctoral	
CHMT	2808	17	94	4	115
CHPE	2807	27	30	5	62
EI	3902	-	-	-	-
PE	3909	-	-	-	-
FA	8206	63	0	-	63
<b>TOTAL</b>		<b>107</b>	<b>124</b>	<b>9</b>	<b>240</b>

### Legend:

CHMT - Chemistry and Materials Technology  
 CHPE - Chemical and Process Engineering  
 EI - Engineering Informatics  
 PE - Process Engineering  
 FA - Fine Arts

### Commentary:

26 students gained their Diplomas with Distinction in the Bachelor's Degree programmes. Four were awarded special prizes for their Bachelor's Dissertations.

In the Master's Degree Programme, 12 students were awarded their Diplomas with Distinctions, 20 students won the Dean's Award. The Rector of TBU's Award was given to one student, and one student the Lord Mayor of Zlín's Award. Five students won the Tajmac-ZPS Prizes, two students got the Czech Shoemaking Assoc. Award, one won the Bosch Award, and one the Department of Production Engineering Award. The "Nadace Rozvoj" (Development Trust) rewarded 16 students for their efforts.

### Bachelor's Degree programmes conducted off the TBU campus:

In 2001, the Faculty of Technology inaugurated a Full-time studies Bachelor's Degree programme in Process Engineering (3909R) at the detached campus at the Technical College in Vsetín. A group of 38 students commute to profiled lectures once a week in Zlín, other pedagogical activities take place in Vsetín.

## 10.1.4 Innovation and Accreditation of Study Programmes; Student Success in the Labour Market

The traditional study programme: Chemistry and Materials Technology was expanded by the programmes: Polymeric Materials and Technologies and Protein Technologies. In addition, the new study programmes: Informatics for Engineering and Process Engineering with the specialisations: The Design of Technological

Devices and Equipment, Production Engineering and Quality Control were accredited, thereby improving the potential for TBU graduates to successfully penetrate the labour market.

FT has sufficient pedagogical and R&D capacity to meet the demands placed on it by the opening of these new study branches.

## 10.1.5 Research, Development and Artistic Activities

The main objectives of R&D activities were directed to the following areas:

- Characteristics of Polymer Systems
- Processing of Collagen-based Raw Materials
- Healthy Footwear Issues
- Process Control
- Minimisation of the Environmental Impact of Industrial Wastes

R&D at FT is organised into a single R&D centre -

The Polymer Centre, and into six Departments and two Institutes dependent upon their orientation. Some 14 Professors, 20 Docents (Associate Professors), 60 Senior Lecturers (Readers) and Lecturers and 4 Research Workers contribute to the Faculty's R&D activities. Equally, 49 students in the two Doctoral programmes also play a significant role in these activities. The Institute of Advertising and Marketing Communications a range of artistic projects staged.

## 10.1.6 Orientation of FT R&D at the Departments and Research Centres

### **The Polymer Centre:**

- Applied Rheology, Modelling of Polymer Melt Flows
- Electrical Characteristics of Composite Materials
- Electro-rheology
- Rheology of Disperse Polymer Systems
- Rheology of Recyclable Polymers
- Rheology of Highly Filled Systems
- Structural Relaxation of Polymer Materials
- Preparation, Characteristics and Applications of Filled Polymer Systems
- Development of Biodegradable Materials

### **Department of Physics and Materials Engineering:**

- Applied Acoustics and Mechanics of Bodies
- Characterisation of Dielectric Properties of Materials
- Sorption/Desorption Phenomena at the Solid/Liquid and Solid/Gas Interface
- Applied Plasma Chemistry and the Physics of Plasma
- Thin-layer Material Preparation & Characterisation
- Measurement of the Tensile Behaviours of Materials
- Applied Colloidal and Surface Chemistry

### **Department of Mathematics:**

- General Algebra
- Differential Equations
- Numerical Mathematics
- Statistics
- Applied Mathematics
- Secondary School Mathematical Talent Breeding

### **Department of Polymer Materials and Technologies:**

- Preparation, Intercallation, Compounding and Applications of Nano-composite Polymer Clays
- Thermo-fixation Technology, Process Modelling, and Applications
- Technological Conditions, Structures, & Properties of Polymer Systems Correlations
- Monitoring of Mixing Processes by Continuous Measurement of Compound Electrical Properties
- Extrusion and Unstable Flows of Polymer Materials
- Composites with Polymer Matrices and their Properties
- Thermo-mechanical Analysis of Polymer Systems
- Structures and Properties of Liquid Crystals
- Smart Polymeric Materials

**Department of Protein and Leather Technologies:**

- Creation and Properties of Inter-macromolecular Complexes on the Basis of Biopolymers and the Reaction of Biopolymers with Surfactants
- Uses for Protein and Other Wastes from the Leatherworking and Meat Processing Industries
- Health Implications of the Unexceptionable Nature of Footwear, Development and Testing of Special Prophylactic Footwear for Diabetics
- Cementing of Shoemaking Materials and their Optimisation
- Studies of Historical Footwear and Leather Products

**Department of Environmental Technologies and Chemistry :**

- Environmental Problems - Applications and Methodologies for the Valorisation of Xenobiotics
- Research into the Remedial Treatment of Waters Contaminated by Chlorinated Hydrocarbons
- The Evaluation of the Biodegradation of Polymer Materials in Aerobic Environments
- Potential Deproteinisation of Chromed Tanning Wastes by Enzyme Hydrolysis of Chrome Shavings
- Leatherworking Industry Protein Waste Hydrolysis Product Applications
- Evolution of Central Asian Climatic Changes and Natural Conditions
- Stabilisation/Solidification of Solid Wastes Using Inorganic and Organic Binding Agents
- Eco-toxicity Biological Test for the Evaluation of Stabilisation/Solidification Processes Effectiveness
- Preparation and Reactions of Quinoline Derivatives
- Properties of Diluted Solutions of Synthetic Macromolecular Substances

**Department of Production Engineering:**

- Modelling the Mechanical Behaviour of Polymers and Composites with Polymer Matrices
- Modelling and Simulation of the Flows of Polymer Melts in the Cavities of Injection Moulds
- Machinability of Polymers and Composites With Polymer Matrices and Metal Alloys
- Influence of Tool Design and Technological Conditions on the Properties of Polymer Products

**Institute of Information Technologies:**

- Adaptive, Optimum and Robust Control Algorithms, Including the Applications of Artificial Intelligence Principles
- Decentralised Monitoring and Control Systems on the Basis of Microcomputers, Programmable Automated Machinery and Industrial Computers
- Modelling of Tanning Processes
- Instrumentation Technology, the Measuring of Non-electric Variables, and the Processing of Signals
- Automation in Power Systems with an Orientation on Centralised Heat Generation and Distribution Combined Power and Heat Production and Decision, Control of Heat and its Distribution
- The Development of Information Technologies, Software Development, Database Systems, the Computerised Processing of Sounds and Pictures

**The Institute of Advertising and Marketing Communications:**

- Commercial Art in Advertising Activities
- Marketing Communications and Social Advertising
- Industrial Design

**Involvement of FT Departments in R&D Projects***Table No. 18*

Grant Provider / Type of Project	Number of Projects	Resource Allocation in thous. CZK
<b>COPERNICUS</b>	<b>1</b>	<b>0</b>
<b>Grant Agency of the CR</b>	<b>10</b>	<b>3,230</b>
<b>Grant Agency of the Academy of Sciences, CR</b>	<b>1</b>	<b>114</b>
<b>Ministry of Education (MEYPE), CR</b>		
- Research Aims and Objectives	<b>3</b>	<b>16,977</b>
- OK - Support of Foreign Projects	<b>1</b>	<b>50</b>
- ME - KONTAKT	<b>2</b>	<b>257</b>
<b>Ministry of Industry and Trade, CR</b>	<b>2</b>	<b>1,050</b>

In the period in question, the Faculty R&D centres collaborated with more than 30 recognised foreign partners and with 10 domestic partners in the Enterprise, Industry and R&D activities spheres (with R&D centres belonging to the Academy of Sciences of the Czech Republic above all).

### Key Conferences and Seminars Organised by FT Departments

Table No. 19

Title	Character	When Held	Guarantor	Number of Participants
4th International Conference on Prediction and Non-linear Dynamics - NOSTRADAMUS	International Conference	25.-26. 9. 2001	Ing. Ivan Zelinka, Ph.D.	30
4th Medical Conference for Doctors - Applied Anthropology	National Conference	12. 5. 2001	Doc. RNDr. Jan Štajgl, CSc. Doc. Ing. Petr Hlaváček, CSc.	50

The following also had a share in the organisation and staging of conferences:

- **Department of Polymer Materials and Technologies:** The K-2001 Exhibition in Düsseldorf, Germany; The Slovak Rubber Conference, an international conference in Púchov, Slovakia; Plastko 2001, an international conference held here in Zlín.
- **The Polymer Centre:** Medical Plastics 2001, an international conference; the Pharmaceutical and Medical Packaging 2001 Conference; the Injection Moulding 2001 conference and the Engineering Plastics 2001 Conference, all held in Copenhagen, Denmark.

- **Institute of Advertising and Marketing Communications:** Conference - The USA, NATO, the Czech Republic and the World About Us after the 11th Sept 2001; also, the 18th Conference on Promotion, Zlín.

They also organised the following projects:

- The 3rd Annual In "Camera" Theatre Festival, *Divadelní Luhačovice*
- The Cultivation of the Otrokovice - Zlín - Vizovice rail corridor
- The international research project and seminar on "Children and Advertising" (part of the International Film Festival for Children and Youth, in Zlín).

### 10.1.7 Successful Graduates of the FT Doctoral Programme in 2001

Table No. 20

Doctoral Student	Title of Dissertation	Tutor / Mentor	Defence
Ing. Norbert Baran	The Preparation of Beta and Gamma Phase Isotactic Polypropylene	Doc. Ing. K. Stoklasa, CSc.	12. 9. 2001
Ing. Vratislav Bednařík	The Stabilisation/Solidification of Industrial Wastes with Macromolecular Matrices	Doc. Ing. M. Vondruška, CSc.	19. 9. 2001
Ing. Věra Hegrová	The Influence of Footwear Materials and Shoe Construction on the Healthy Development of Children's Feet	Prof. Ing. M. Mládek, CSc.	12. 11. 2001
Ing. František Hruška	The Automation of Ambient Environmental Technologies To Accord With Human Heat Comfort Levels	Prof. Ing. J. Balátě, DrSc.	31. 5. 2001

Doctoral Student	Title of Dissertation	Tutor / Mentor	Defence
Ing. Petr Neumann	The Measurement of the Expositional Quantity of Heat Emission	Prof. Ing. P. Dostál, CSc.	9. 11. 2001
Ing. Vladimír Pelíšek	Physical Aging of a-PMMA and a-PMMA/PEO Blends	Prof. Ing. P. Sába, CSc.	19. 11. 2001
Ing. Tomáš Sysala	A Thermo-mechanical Analyser for the Measuring of the Properties of Plastics in Micro-samples	Doc. Ing. V. Vašek, CSc.	9. 11. 2001
Ing. Martin Sysel	The Utilisation of Delta Models for Process Control	Prof. Ing. V. Bobál, CSc.	31. 10. 2001
Ing. Ivan Zelinka	The Prediction and Analysis of the Behaviour of Dynamic Systems by Means of Artificial Intelligence and Synergetics	Doc. Ing. V. Vašek, CSc.	31. 5. 2001

- Ing. Ivan Zelinka, Ph.D., was awarded The Siemens Award in 2001 for his Doctoral Dissertation
- Ing. Martin Zatloukal, Ph.D., was awarded the AGROFERT HOLDING Prize for his excellent Dissertation, (Defended in 2000)
- Ing. Vratislav Bednařík, Ph.D., won the ČEZ\* 3rd Place Prize for his Dissertation (\*Czech Electricity Co)

## 10.1.8 FT Publication Activities

Table No. 21

		DPME	DM	DPMT	DPLT	DETC	DPE	IIT	PC	IAMC	TOTAL
1	Monographs in a world language	0	0	1	1	0	0	0	0		2
2	Monographs in Czech	2	0	1	1	0	2	0	0		6
3	Papers in international journals, abstracted in the Web of Science database or with IF	5	2	4	1	12	0	1	6		31
4	Contributions in other international journals	2	0	0	6	0	5	1	0		14
5	Contributions in Czech or Slovak journals	6	1	0	8	8	5	9	0	43	80
6	Contributions at Conferences abroad in a world language	4	2	30	24	7	12	46	8	4	137
7	Contributions at domestic Conferences	4	7	1	17	11	13	56	3	2	114
8	Other - e.g. Engineering works; software products; patents; exhibitions; artistic projects, etc	2	0	1	2	1	2	3	0	10	21
9	Dissertations			1	1	1		5	1		9

**Legend:**

**DPME** - Department of Physics and Materials Engineering, **DM** - Department of Mathematics, **DPMT** - Department of Polymer Materials and Technologies, **DPLT** - Department of Protein and Leather Technologies, **DETC** - Department of Environmental Technologies and Chemistry, **DPE** - Department of Production Engineering, **IIT** - Institute of Information Technologies, **PC** - The Polymer Centre, **IAMC** - Institute of Advertising and Marketing Communications.

## 10.2 Faculty of Management and Economics (FaME)

### **Address:**

Tomas Bata University in Zlín, Faculty of Management and Economics, Mostní 5139, 760 01 Zlín  
Tel. 00420 +067+754 2120, <http://www.fame.utb.cz>

### **Dean**

Prof. Ing. František TRNKA, CSc.

### **Vice Deans**

Doc. PhDr. Vnislav NOVÁČEK, CSc.

*Vice Dean for Education, Statutory Deputy*

Ing. Roman BOBÁK, Ph.D.

*Vice Dean for R&D Activities and Public Relations*

Doc. Ing. Josef HURTA, CSc.

*Vice Dean for Combined Studies programme and Foreign Relations (to 25. 6. 2001)*

Dr. Ing. Drahomíra PAVELKOVÁ

*Vice Dean for Combined Studies programme (from 10. 07. 2001)*

RNDr. Bedřich ZIMOLA

*Vice Dean for Foreign Relations (from 10. 07. 2001)*

### **Academic Senate, FaME**

Ing. Vratislav KOZÁK, Ph.D.

*Chairman*

### **Scientific Board**

Prof. Ing. František TRNKA, CSc.

*Chairman*

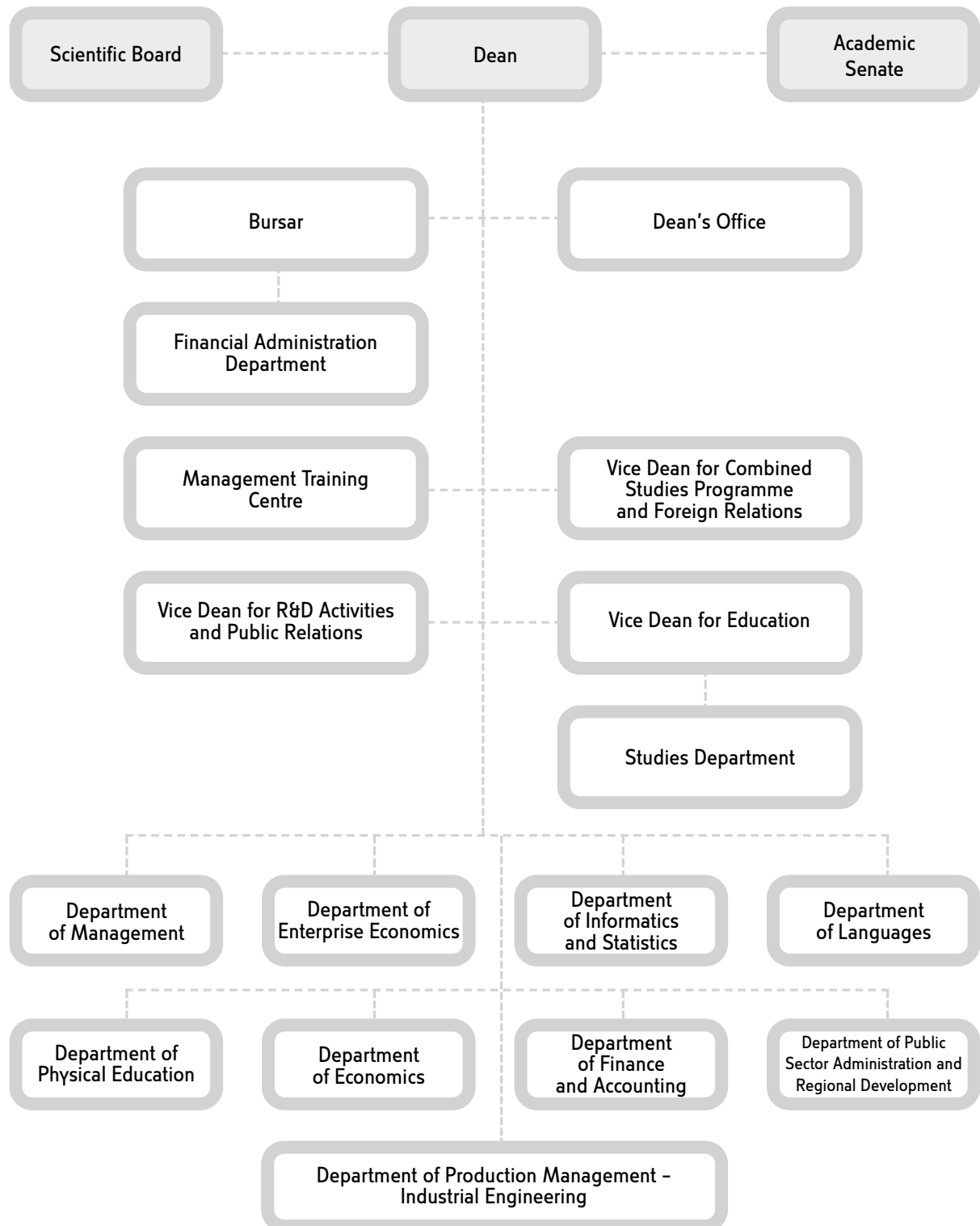
### **Bursar**

Ing. Jiří VLK





## 10.2.1 Organisational Structure



## 10.2.2 Departments

### **Department of Economics**

Head: Doc. PhDr. Vnislav NOVÁČEK, CSc.

### **Department of Management**

Head: Prof. Ing. Ján PORVAZNÍK, Ph.D.

### **Department of Finance and Accounting**

Head: Dr. Ing. Drahomíra PAVELKOVÁ

### **Department of Enterprise Economics**

Head: Ing. Miroslav VRÁBLÍK

### **Department of Informatics and Statistics**

Head: Prof. Ing. Zdeněk MOLNÁR, CSc.

### **Department of Languages**

Head: Mgr. Ludmila KOLÁŘOVÁ

### **Department of Physical Education**

Head: Mgr. Zdeněk MELICHÁREK

### **Department of Public Sector Administration and Regional Development**

Head: Doc. RNDr. René WOKOUN, CSc.

### **Department of Production Management - Industrial Engineering**

Head: Ing. Roman BOBÁK, Ph.D.

## 10.2.3 Study Programmes

### **Bachelor's Degree Programmes:**

6208-R Economics and Management  
Full-time and Combined Forms

*Courses:*

Management and Economics  
Marketing - Guaranteed by TBU, taught by the Business  
College in Zlín  
The Financial Management of Enterprises

6202-R Commercial Policy and Administration  
Full-time and Combined Forms

*Course:*

Public Sector Administration and Regional  
Development

### **Master's Degree Programme:**

6208-T Economics and Management (follows on)  
Full-time

*Courses:*

Management and Economics with sub-specialisations:  
Management and Marketing  
Enterprise Economics  
Industrial Engineering

### **Doctoral Studies Programme:**

6208-V Economics and Management  
Full-time and Combined Forms

*Course:*

Management and Economics

## Applicants Interest in the Bachelor's Degree Programmes at FaME in 2001/2002

Table No. 22

Courses	Code	Number			Actually Started
		Applications	Sat the Entry Exams	Accepted into 1st Year Bachelor's Programme	
ME	6208	1,900	1,430	393	271
M	6208	287	236	178	158
FME	6208	287	236	177	157
PSARD	6202	83	72	66	64
<b>OVERALL</b>		<b>2,557</b>	<b>1,974</b>	<b>814</b>	<b>650</b>

## Number of Students at FaME

Table No. 23

Courses	Code	Study Programme			Students Overall
		Bachelor's	Master's	Doctoral	
ME	6208	968	359	44	1,371
M	6208	275	-	-	275
FME	6208	176	-	-	176
PSARD	6202	92	-	-	92
<b>OVERALL</b>		<b>1,511</b>	<b>359</b>	<b>44</b>	<b>1,914</b>

## Number of Foreign Students at FaMe - Including Students From Slovakia

Table No. 24

Courses	Code	Study Programme			Students Overall
		Bachelor's	Master's	Doctoral	
ME	6208	46	2	-	48
M	6208	4	-	-	4
FME	6208	-	-	-	-
PSARD	6202	1	-	-	1
<b>TOTAL</b>		<b>51</b>	<b>2</b>	<b>-</b>	<b>53</b>

## Graduate Numbers from FaME

Table No. 25

Courses	Code	Study Programme			Graduates Overall
		Bachelor's	Master's	Doctoral	
ME	6208	173	169	-	342
M	6208	-	-	-	-
FME	6208	-	-	-	-
PSARD	6202	-	-	-	-
<b>TOTAL</b>		<b>173</b>	<b>169</b>	<b>-</b>	<b>342</b>

### Legend:

**ME** - Management and Economics, **M** - Marketing, **FME** - Financial Management of Enterprises, **PSARD** - Public Sector Administration and Regional Development

**Commentary:**

One student graduated with Distinction in the Bachelor's Degree programme. Eighteen other students' Dissertations won awards for their excellence. In the Master's Degree programme, four students graduated

with Distinctions. Eighteen other students Dissertations were recognised for their excellence. The Rector of TBU's Award was given to one student, the ZPS-TAJMAC Prize was awarded to one student, and the Lord Mayor of Zlín's Award was awarded to one student.

## 10.2.4 Research and Development (R&D)

The following areas represent FaME's long-term R&D aims and objectives:

- The Conception of Industrial Policies for the Future Euro-region in the Context of the Globalisation of the Czech Economy
- Raising the Competitive Abilities of Small and Medium Enterprises (SMES)

- Information Systems Underpinning Production Management, Operations, Economic Analyses, The Planning of Product and Organisational Changes, Logistic Planning of Material Flows, Production Planning, the Organisation and Measurement of Work Performed and the Maintenance of Plant and Equipment

## 10.2.5 FaME Departmental R&D Orientation

### Department of Management

- Human Resources Management and Personnel Management
- General Marketing and Marketing Management Methodology, Advertising - Marketing and Management
- The Legal and Environmental Aspects of International Management

### Department of Enterprise Economics

- Business Economics and Management
- Innovation Management
- The Competitive Abilities of SMES

### Department of Economics

- The Macroeconomic and Microeconomic Contexts of the Globalisation Process
- The Dimensions of the EU and the Regions
- The Theory of Competitive Abilities

### Department of Informatics and Statistics

- Information Technology and Computer Assisted Business Activities
- The Informational Support of Marketing Management in Marketing Information Systems
- The Theory of Probability, Mathematical and Economic Statistics, Quantification and Optimisation Methods in Business Activities

### Department of Finance and Accounting

- The Financial Management of an Enterprise

- Engineering Economics (Accounts, Taxes, Controlling)
- Capital Markets, The Economics of an Enterprise

### Department of Public Sector Administration and Regional Development

- Public Sector and Regional Administration
- Regional Economics

### Department of Production Management

#### - Industrial Engineering

- Production Engineering, the Planning and Management of Production, Logistics
- Measuring the Performance and Management of Operations, Productivity, Improving Processes
- Total Quality Management

### Department of Languages

- The Development of Studies Materials for English and German for Specific Purposes to Meet the Needs of the Studies Programmes at TBU
- The Provision of Language Support for Joint Projects with Foreign Partners within the Framework of the EU, TEMPUS, and Leonardo da Vinci programmes
- The Provision of Language Support for Applied Socio-economic Research Into the Areas of The Dimensions of the EU and International Management

### Department of Physical Education:

- Testing the Physical Performance Levels of the General Population

## Conferences and Seminars Organised by FaME Departments and R&D Centres

Table No. 26

Title	Character	When Held	Guarantor	Number of Participants
The Czech Republic and the European Union on the Threshold of the Third Millennium	International Conference	28. 2. 2001	RNDr. Bedřich Zimola	47
The Internet and the Competitive Abilities of Enterprises	3rd Annual International Conference	13. 3. 2001	Prof. Ing. Zdeněk Molnár, CSc.	120
Training Programme for Workers in Local Government and Self-governing Bodies	Seminar for the Leonardo EURTIB project	2.-7. 4. 2001	Dr. Ing. Drahomíra Pavelková	70
The Creative Legacy of Tomas Bata and Modern Entrepreneurial Methods	International Scientific Conference	16.-18. 5. 2001	Prof. Ing. František Trnka, CSc.	300
Teaching English Across Europe	International Conference for EFL teachers	7. 9.-9. 9. 2001	Mgr. Ludmila Kolářová	540
University-level and Lifelong Learning Professional Development in the Fields of Industrial and Production Engineering	Seminar by the Departments of Industrial and Production Engineering at Universities in the CR and SR	15. 11. 2001	Ing. Roman Bobák, Ph.D.	35

### Successful Graduates of the Doctoral Studies Programme in 2001

The Faculty of Management and Economics participated in the tuition of the Doctoral Studies Programme: 6208 Economics and Management, Specialisation: 62-32-9 The Management and Economics of Enterprises, whose guarantor is the (FP VUT Brno) Business Faculty, Brno University of Technology.

### FaME Graduates in the Joint Doctoral Studies Programme with FP VUT Brno

Table No. 27

Graduate	Title of Dissertation	Tutor / Mentor	Defence
Ing. Petr Sehnal, Ph.D.	World-class Manager's Methods in Industrial Enterprises in the Czech Republic	Prof. Ing. Milan Vytlačil, CSc.	23. 2. 2001
Ing. Dana Formánková, Ph.D.	The Conception of the Application of Marketing Principles in Personnel Management	Doc. PhDr. Alois Glogar, CSc.	25. 5. 2001

In September of 2001, FaME's own Doctoral Studies programme: Economics and Management was accredited.

## Overview of FaME's Publication and R&D Activities

Table No. 28

RIV R06	Character	DM	DEE	DIS	DE	DFA	DPMIE	DPSARD	DL	DPE	Number
J	Articles in Professional Journals - Foreign Publisher	4			1	1					6
J	Articles in Professional Journals - Domestic Publisher	7	1	19	18	5	4		6		60
B	Expert Monograph	1		1	1			1			4
C	Chapter in a book							1			1
D	Contribution in Proceedings - Foreign Publisher	10		1	4	5	8	2	2		32
D	Contribution in Proceedings - Domestic Publisher	14	11	26	21	4	8	4	6		94
V	R&D Report for a State Organ - Defended						1				1
A	Presentation of R&D Results	7	6	2	9	3	14		2		43
	Teaching Scripts	5	1	7	3	3	3				22

### Legend:

**DM** - Department of Management, **DEE** - Department of Enterprise Economics, **DIS** - Department of Informatics and Statistics, **DE** - Department of Economics, **DFA** - Department of Finance and Accounting, **DPMIE** - Department of Production Management - Industrial Engineering, **DPSARD** - Department of Public Sector Administration and Regional Development, **DL** - Department of Languages, **DPE** - Department of Physical Education

## 10.2.6 Professorial Habilitations and Nominations in 2001

The Faculty has yet to be accredited to conduct Habilitation and Nomination Procedures. Academic staff must therefore apply to such a procedure conducted by an Economics-Management oriented Faculty at one of the other Universities in the Czech Republic. In 2001, a member of staff successfully defended themselves in such a Habilitation procedure.

### Professorial Habilitations and Nominations in 2001

Table No. 29

Name	Workplace	Specialisation	Title of Habilitation Dissertation	Nominated By
Doc. PhDr. Ing. Aleš Gregar, CSc.	The Department of Management	Economics and Management Courses	Personnel Management in Enterprises - Theory and Practice	The Business Faculty, Brno University of Technology

## 10.3 TBU Central Library

### Address:

Tomas Bata University in Zlín, Central Library, Štefánikova 2431, 760 01 Zlín  
Tel.: 067/754 48 18, Fax: 067/754 49 11, <http://www.knihovna.utb.cz>

**Library Siglo:** ZLD002

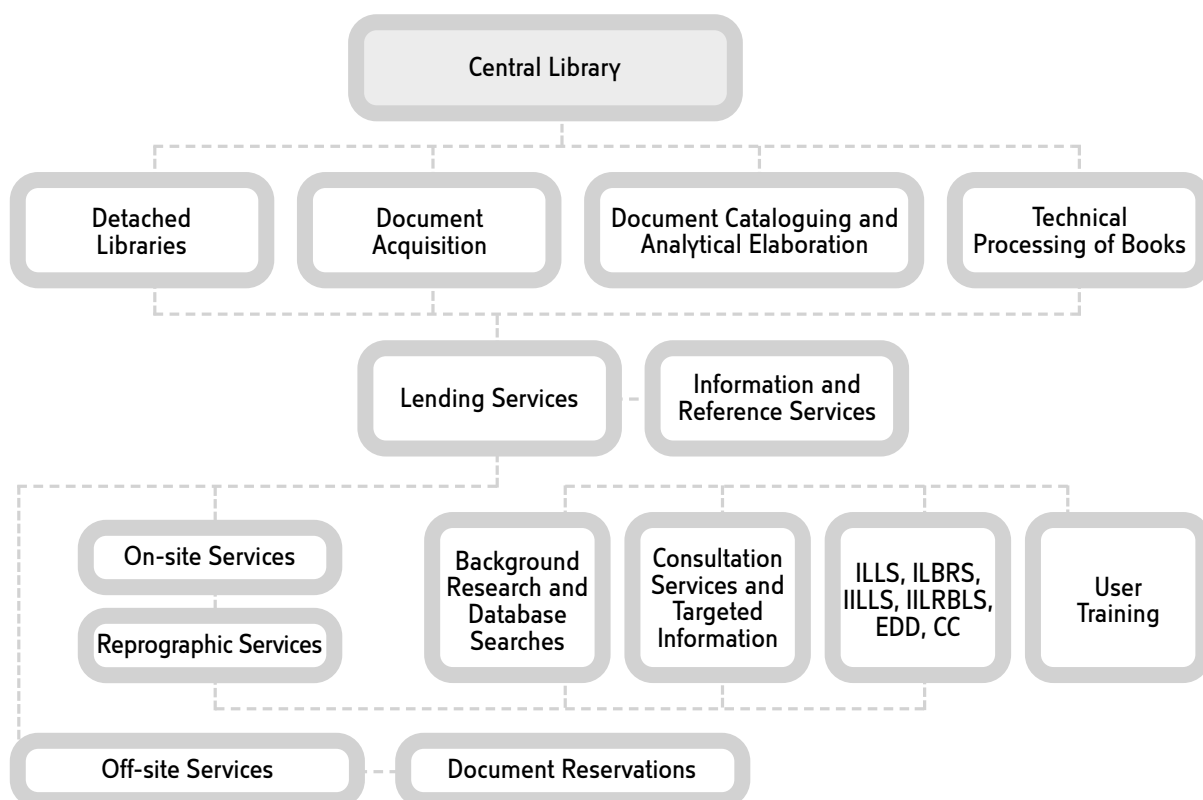
### 10.3.1 Library Structure and Composition

The Central Library is a specialised central library resource responsible for all library and information services for the whole of TBU.

The Library provides the following services:

- ILLS - Inter-Library Lending Service
- ILBRS - Inter-Library Background Research Service
- IILLS - International Inter-Library Lending Service
- IILBRLS - International Inter-Library Background Research Lending Service
- EDD - Electronic Document Delivery
- Reprographic Services from other libraries
- Providing Journal content to reader's specifications - Current Contents (CC)
- Background research requests with other libraries

### Library Functional Schematic





## 10.3.2 Information Resources

In 2001, the Central Library registered some **3,607 readers and 19,518 loans**, of which some 857 were inter-library loans.

<b>Number of Volumes Overall</b>	<b>30,297</b>	<b>Acquisitions in 2001</b>	<b>3,503</b>
Books and Periodicals	29,626	Books and Periodicals	3,207
Other Documents	671	Other Documents	296
Number of volumes in circulation	13,900		
<b>Reduction in number of volumes</b>	<b>140</b>		
<b>Number of titles stocked</b>	<b>178</b>		
<b>Number of exemplars of periodicals</b>	<b>275</b>		
<b>Educational Events</b>	<b>24</b>		
<b>Number of places in the Reading-room</b>	<b>109</b>		
<b>Number of Employees</b>	<b>7</b>		

In the course of 2001, the Central Library acquired new facilities on Štefániková ulice (Street), where it relocated with its existing stock of books and other titles. It also houses cca 5,000 volumes of professional literature from the specialised library of Toma, a. s., and a further cca 30,000 volumes gained upon the extinction of the technical library of the now defunct Svit Company. These new stocks of book titles are being processed. After its relocation to its new premises, the Central Library opened its doors to the academic community at the beginning of the 2001/2002 academic year. Its services are provided 38 hours per week, the Reading Rooms are open for studies 50 hours per week.

The Central Library Catalogue, Library web-pages, Internet-based library catalogue, TBU University Intranet, various consortia, national licensing agreements, local resources, on-line resources and CDs all serve as Informational Resources.

The Central Library was awarded a 50,000 CZK dotation from the Cultural Fund of the Municipality of Zlín for the purchase of books and magazines, as well as gifts from the Archbishopric of Olomouc's Library (11 books) and from the Bata Shoe Museum in Canada (7 books).

The domain of Information and Advisory Services is dealt with in Chapter 12: Student Care Services.



## 10.4 Halls of Residence and Refectory

### Address:

Tomas Bata University in Zlín, Halls of Residence and Refectory Services, Štefánikova 150, 760 01 Zlín  
Tel.: 00420 +67 +754 6111, <http://www.kmz.utb.cz>

**Director:** Ing. Josef ZELA

### Operational Units:

U6 Building	University Hall of Residence, Štefánikova 150
U7 Building	University Hall of Residence, Antonínova 4379
U8 Building	University Hall of Residence, Křiby 4885
U44 Building	Refectory, Štefánikova 2431

### Services Provided:

Student Accommodation Services in Halls of Residence  
Refectory Student Catering Service  
Refectory Catering Service for TBU employees and other organisations  
Additional Services: Seasonal Accommodation Services during the holidays

### 10.4.1 Accommodation Services

In order to provide sufficient accommodation services to TBU students for the 2001/2002 academic year, a total accommodation capacity of some 714 beds, of which 524 beds are in the University's own Halls of Residence, were prepared. A further 190 beds are provided in an external accommodation facility located in Křiby Street. This is owned by Pozemní stavitelství, a. s., Zlín, with whom TBU have signed long-term contracts for the provision of such services. This total accommodation capacity - and with the interpretation and application of the Halls of Residence Regulations and the conditions and quality of the accommodation significantly contributed to the satisfying of student requests for accommodation services.

In compliance with the standardised accommodation pricing concept in the Halls of Residence and external

facilities, the price was set for two categories:

**Category A** - Where the social amenities and kitchen form an integral part of the accommodation unit.

**Category B** - Where the social amenities and kitchen are communal for one floor.

The accommodation capacity is fully utilised, with unoccupied beds being efficiently offered to other students on the waiting list according to their stated accommodation requirement preferences. The prepared level of accommodation capacity fully met the needs of applicants with commuting times of over 40 minutes. The actual allocation of places in the Halls of Residence was conducted applying an approved algorithm. Students, who initially cannot be accommodated in the Halls, are provided with accommodation external to the Halls of Residence (i.e. private rooms).

### 10.4.2 Refectory Services

Until the end of the first half of 2001, catering services for students and employees was provided for in the original Refectory. This refectory was located in leased premises and in conditions, which did not comply with the newly legislated Hygienic norms. A choice was provided of three hot prepared meals on a classical ordering system, with packed dinners being

provided at lunchtime. The Refectory's catering capacity was about 450 portions per day on average. From the beginning of the 2001/2002 academic year, students have been able to have their meals in the newly constructed Refectory on Štefánikova Street, which is the property of TBU. The Refectory is equipped with the most modern catering technologies available for the



cooking, heating, and rapid cooling of meals. This infrastructure complies with the current trends in Catering meal preparation, and meets all set Health and Hygiene requirements. The Refectory operates on a meal selection system without the need to pre-order. The range of Daily Dishes on offer has been expanded to include three ready-prepared hot meals and four kinds of “A la Minute” dishes. Nowadays, additional freshly prepared vegetable salads, cakes, desserts and sweets as well as beverages are also on sale. The provision of hot dinners has been

introduced. Payments for one’s meal selection are by means of chip-embedded, touch-free plastic cards (which also serve as ID cards). The new Refectory’s capacity is 1,400 ready-prepared meals and 500 “A la Minute” dishes a day.

The new catering technologies and the improved quality of ready-prepared meals have combined to increase the number of diners cca. two-fold in comparison to the numbers in the Refectory in the original premises. The period 10/2001 to 12/2001 saw the provision on a daily basis of more than 1,000 meals.

## 10.5 The Academia Centre

### Address:

Tomas Bata University in Zlín, Academia Centre, Mostní 5139, 760 01 Zlín  
Tel. 00420 + 67 +754 2026 , <http://www.utb.cz/czech/ac/ac.php>

**Manager:** Ing. Vlastimil OLIVKA

In 2001, the Academia Centre (AC), TBU, organised some **202** externally ordered events in all.

These were lectures, seminars, congresses, conferences, company presentations, etc.

The Academia Centre further assured the backup of **125 non-profit events** to meet the needs and requirements of the various Faculties and other institutions of TBU.

### Among some of the most important were:

- The International Congress of Surgeons
- The International Congress on Internal Medicine
- The International Congress on Nuclear Medicine
- The International Conference, Diagon 2001
- The International Conference, “Tools” 2001
- The International Conference on Geriatrics and Gerontology
- The International Conference on “Agriculture in a Global World”
- The International Conference for EFL Teachers on “Teaching English Across Europe”

- The International Conference, “Plastko 2001” (Plastics Processing and Injection Moulding)
- The Symposium of Radiological Lab Workers and Assistants, with international participation
- The 22nd Annual Working Day on Immunoanalysis, with international participation
- The 41st International Film Festival for Children and Young People

### The AC Publishing Centre published:

- **51 Teaching Script Titles**  
Of which:  
For FT            19 Titles  
For FaME        32 Titles
- **4 Conference Proceedings**



## 11. Important Events

Historically, the most important event must be the 16th of May 2001, with the Ceremonial Inauguration of the University and its first ever Rector. This was attended by senior representatives of the academic communities both of the Czech Republic as well as from abroad, representatives of the State and self-governing organs, members of the Scientific and Administrative Boards of Universities, members of diplomatic missions to the Czech Republic and other important guests.





## 12. Student Care Services

- 12.1 Student Care Services - Accommodation and Catering
- 12.2 Provision of Stipends
- 12.3 Information and Advisory Services
- 12.4 Sporting, Artistic and Other Activities

## 12.1 Student Care Services – Accommodation and Catering

The basic criteria for accommodating students are the distance from their place of residence in correlation with the length of commuting time required. Students with graver social or health reasons, 1st Year students, Doctoral students and students from abroad are accommodated preferentially.

The Halls of Residence Rules and Regulations, which represent the best interests of all the students, are

prominently displayed in all such premises. Further, a Working Group for Student Accommodation and Catering Services has been set up. At its head is the Vice-Rector for Pedagogical Activities, other members include the University's Quaestor, the AS TBU Chairperson, the Director of the HRR, and the Halls of Residence Student Council and Students Union representatives as well as representatives of the Faculties' Deputy Deans.

## 12.2 Provision of Stipends

Within the framework of Student Care Services in 2001, TBU provided stipends in reward of successes achieved and exceptional stipends. The conditions set for the provision of such stipends are set out in the TBU Stipendiary Rules and Regulations. The Stipend for Successful Academic Results is provided in three categories, depending upon the weighting of the Studies Average (Grade Point Average), and was paid out as a one-time payment in June and December

2001. At FT, sixteen students were paid a one-time sum as stipends connected with the completion of their studies. Two students received Extraordinary Stipends in view of their onerous social situations. At FaME, three students received Extraordinary Stipends in view of their onerous social situations. The involvement of students in Faculty R&D tasks is rewarded on the basis of agreements as to the work to be performed or in the form of Extraordinary Stipends.

## 12.3 Information and Advisory Services

Information and Advisory Services are on two levels – the Faculty level and the University-wide level. Faculty Information and Advisory Services are provided by the individual workplaces, and are predominantly for the students of the faculty concerned. A significant role is played by the utilisation of the internal information network – the Intranet and the Internal Television Network (ITN), displaying information of interest.

The University Information and Advisory Services are oriented to the students themselves, people interested in studying at TBU, and the General Public in the

Zlín Region. The TBU WebPages and the new University magazine “Universalia”, which began to appear in 2001 with a print run of 1,100 copies, play a significant information dissemination role. The magazine serves not only the University academic community but also represents TBU to a wide range of professional and regional entities.

The Central Library (Chapter 10.3) and the Academic Advisory Office for students also provide Information and Advisory Services (4 hours per week) in the areas of pedagogical, psychological, and social questions.

## 12.4 Sporting, Artistic and Other Activities

### Sport

- Physical Education is compulsory in the first two years of studies; students may choose from nine kinds of sport (Aerobics, Swimming, Handball, Basketball, Skiing, Squash, Indoor Soccer, Table Tennis and Floorball).
- The TBU University Sports Club is charged with the provision of non-compulsory physical education. In collaboration with the Czech Academy of University Sports and the Czech Association of Physical Education, students may engage in the activities of sporting sections, which compete in District, Regional, and National competitions.
- The Portas Training and Schooling Centre in the Javorník Mountains is available for winter sports.

### Student Successes:

- Lukáš Bočák became Academic Champion of the CR in modern Darts; Lukáš Urbánek, Pavel Boháč, Ondřej Sýkora and Ivo Benda won 1st place in the 4 x 50 m Freestyle and 2nd place in the 4 x 50 m Relay at the Academic Swimming Championships of the CR; Ivo Benda also became Academic Champion of the CR in Freestyle, and thus qualified for the World University Championships to be held in China; Marián Dvořák placed 2nd in the Long Jump event at the Academic Athletics

Championships of the CR; and Petr Váňa is the Academic Champion of the CR in Radio-location Orienteering.

### Culture

The students organised the following important events in their free time in the course of 2001:

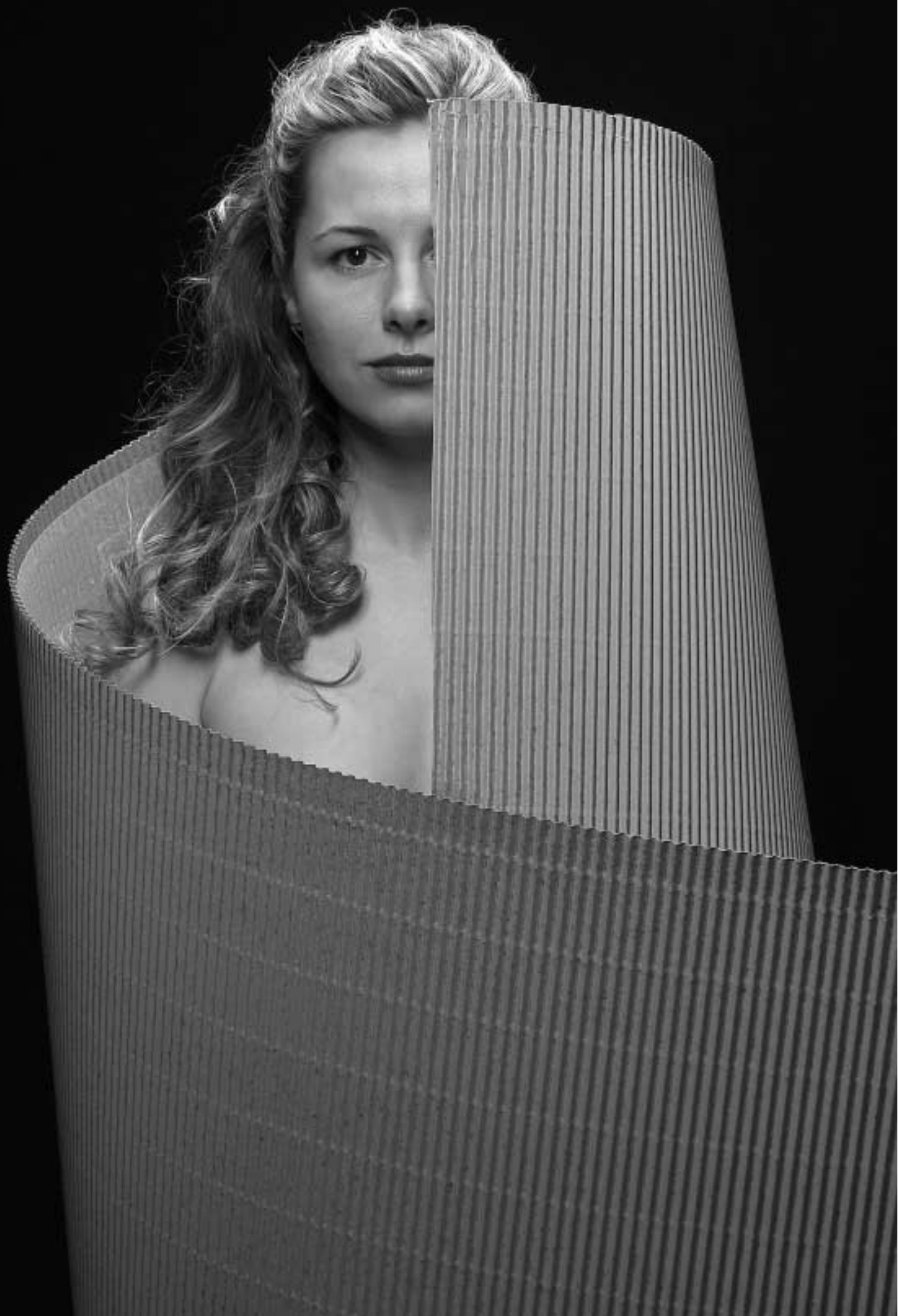
- They issued the Students Magazine - KOREK
- The Miss Academia Competition
- The University Ball
- "Majáles" - a traditional Czech Student celebration (like Rag Week) on the 1st of May, to celebrate and welcome the arrival of Spring

### Artistic and other activities

In the course of 2001, the following students achieved the following successes:

- Eliška Klimková (3rd Year, FaME) won three Golds and a Silver Medal at the Junior World Championships in Typing Skills
- Hedviga Hamžíková (5th Year, IAMC, FT) won an Award in the Package of the Year, 2001 Awards, CR, and World Class Award for the Most Practical and Aesthetical Packaging Covering of the Year, 2001, in the Worldstar for Packaging Competition
- Barbora Votavová (2nd Year, FaME) placed in the nationwide Finals of Miss Aerobics







## 13. Development of the University

### 13.1 Investment and Developments

The Mid-term Investments and Infrastructure Construction Development programme with a completion date of 2005 set out the TBU Long-term Aims and Objectives were approved. The aim of this strategic investment programme is to construct a University precinct for the full-valued tuition and R&D activities of the four Faculties: the Faculty of Technology, the Faculty of Management and Economics, the Faculty of Multimedia Communications and the Faculty of Information Technologies within this timeframe here in Zlín.

Based on the budget (or the redistribution of dotations) approved on 29th May 2001, the Construction and Dislocation Commission of TBU approved the Investments Implementation Plan for 2001. The Investments Implementation Plan and its preparatory groundwork were broken down into five categories:

- Category
- A - The Upgrading of the Communications Infrastructures for TBU in Zlín
  - B - Reconstruction Projects to Remedy the Hazardous Condition of Certain TBU Premises
  - C - The reconstruction of premises - large-scale investments (preparatory planning phases)
  - D - The preparation of perspective construction investment plans for integral parts of TBU
  - E - The acquisition of new properties for TBU

#### Category A

##### **The Upgrading of the Communications Infrastructure for TBU in Zlín**

This category of investment plans aimed to solve the completion of the interconnection of parts of TBU into a superior quality, high speed academic network, thereby improving the data transfer capacity of the core computer network, the modernisation of the LAN network and the completion of the internal telecommunications system connecting the constituent parts of TBU.

##### **The Inter-Faculty Internal Telecommunications Network - Connecting the Constituent Parts of TBU**

This involved the realisation of the telephone network with a capacity of 45 incoming and 45 outgoing lines. The controlling PbT telephone exchange is installed in the U2 Building. Voice signal transfer utilises the core computer network with its star-like topology for its connections to the satellite PbT exchanges.

The call capacity between the individual PbT exchange satellites is up to 100 calls concurrently, and the total network capacity at any one time is 700. The system is equipped with Siemens technology.

**Realisation Date:** 04/2001      **Overall Investment Cost:** 5,965 thous. CZK

##### **The Structured Cabling of the U2 Building**

The Fund for the Development of Universities (FDU) and the Ministry of Education, Youth and Physical Education (MEYPE) project formed the basis for the complex coverage of this premises. New cabling was installed enabling the construction of not only another Computer Lab, but also the Otto Wichterle Lecture Hall, as well as the modernisation of the Academia Centre and the Vestibule. The project was also designed to cover the two semi-underground (-2, -1) Floors, and the Fourth and Fifth Floors of the U2 Building

**Realisation Date:** 2001      **Overall Investment Cost:** 1,690 thous. CZK

##### **Extension of the Computer Network in the Halls of Residence**

This FDU-funded project laid the basis for creating 190 PC connection ports in these TBU student accommodation facilities, including the building-in of active elements. The project also covered

the Štefánikova HR. The realisation of this project meant the increasing of the utility value of the Halls of Residence in Zlín, and enabled students to connect their personal computers to the TBU Intranet and to the Internet.

**Realisation Date:** 2001 **Overall Investment Cost:** 1,149 thous. CZK

## Category B

### **Reconstruction Projects Countering the Unfitness for Use of Certain TBU Premises**

Projects of a lesser financial scope were carried out as needed in urgent cases to counter the hazardous conditions of unfit buildings, construction problems or breakdowns in technological equipment.

#### **Building U1 - Roof Repairs**

Action was taken to counter the hazardous state of the hydro-isolation folio and the heat-loss insulation of the roof's covering, to prevent water-leakage into the premises and frost damage to the roofing materials. Additional sloped roofs were added and hydro-insulated; ventilation units were also added.

**Realisation Date:** 2001 **Overall Investment Cost:** 1,700 thous. CZK

#### **U6 Building - Repairs and Insulation of the Gables**

Based on an assessment carried out by the State Construction Oversight Commission, it was discovered that the outer wall Type G 57 Building Cover Panels were in a dangerous state of repair. The occurrence of cracks in the panel materials, faults in the perimeter joints including the seals, corrosion of the reinforcement and leakage under these external panels into the rooms behind them required immediate intervention.

In line with the civil engineering plans drawn up, these faults were dealt with, the outer walls insulated, and a final surface coating of protective paint applied to the whole building.

**Realisation Date:** 12/2001 **Overall Investment Cost:** 999 thous. CZK

#### **U44 Building - Catering Technology**

The meal preparation Health and Hygiene requirements, and the long-term conservation of meals, blast-freezing, meal heating, the preparation of "A la Minute" meals, the intensive exhaust ventilation of the meal point-of-delivery and dining areas required the fitting out of the Refectory with the requisite technical and gastronomic resources (i.e. a Convectomat, a blast-freezer, an industrial dishwasher, and cool box).

**Realisation Date:** 06/2001 **Overall Investment Cost:** 2,248 thous. CZK

#### **U44 Building - Upgrading the Quality of the Refectory Dining Areas**

Based on the needs of the diners and the recommendations of the AS TBU for improvements in the operational conditions in the Refectory, for noise abatement measures and making the environment more pleasant, the dining areas were fitted out with dividing screens (paravanes), air-conditioning, overhead lighting, and radiator screens.

**Realisation Date:** 2001 **Overall Investment Cost:** 1,067 thous. CZK

## **U2 Building - Repairs to Internal Areas - Minor Additional Construction Measures**

**Overall Cost:**

**949 thous. CZK**

### **Category C**

#### **The Reconstruction of Premises - Large-scale Investments Preparatory Planning Phases**

This category includes dominant construction projects requiring large-scale investments necessary for the future development of the University, and which form part of the strategic investment programme of TBU in Zlín.

#### **Reconstruction of the U4 Campus**

The reconstruction, modernisation, extension, and repair of the original premises of a former secondary school meant the construction of dedicated specialised teaching rooms for IAMC, the Central Library facility, and the University Refectory.

In view of the need to bring the new teaching rooms on-line as rapidly as possible, the U41 and U42 Buildings were tackled first and provisionally brought on-line within a shortened five-month deadline.

Concurrently, problems involving the property rights, third-person rights, replacement parking spaces and additional construction projects to improve the quality of the building users parameters (i.e. plastic double-glazed windows, lighting, dispositional alterations, furniture and fittings, and upgrading of the gastronomic technologies) were all resolved. Changes in the structures of the financial costs attendant on the improved qualities of the operational parameters of the premises required six Addenda to the original Investment Aims and Objectives documentation.

**Realisation Deadline:**

**9 months**

**Overall Construction Cost: 100,151 thous. CZK**

#### **Preparatory (Demolition) Work for the Reconstruction of the 13th ZŠ into the U5 Campus Site**

Due to the transfer of the former 13th ZŠ (Basic School) located in the Jižní Svahy district of Zlín and the assessment of the catastrophic state of two of the buildings, TBU gained the lease on the site with the possibility of provisionally utilising the usable parts and an option to purchase the site.

Professional expertise was consulted and studies prepared for a solution for its use after site-clearance, and its reconstruction, and the rebuilding of the original group of buildings. Project documentation was elaborated to cover the demolition of buildings in a catastrophic state, and permission sought and gained for their reconstruction.

**Realisation Date:**

**Overall Construction Cost: 17,791 thous. CZK**

#### **Reconstruction of the 13th ZŠ into the U5 Campus Site**

The reconstruction and renovation of the premises will create new, modern teaching facilities. This will form the second stage of the TBU campus plan and create the preconditions for the location of the planned Faculty of Information Technologies. This University campus will, however, also enable the coverage of the zoning needs of other parts of the University.

Based on the completion of the Planning and Building Permission Proceeding, the project documentation was issued with a Construction Approval covering its realisation. An Open Commercial Tender process was declared and the contractor selected. The initial starting date was prepared for 11/2001; work actually began on 15th Jan 2002.

Within the framework of the preparatory phase, the Project Documentation (PD), selections of the Main Contractor and the Investor's Technical Overseer have all been decided.

**Realisation Date:** 2001 **Overall Investment Cost:** 3,817 thous. CZK

N.B.: Does not include the purchase cost of the property - this is a separate entry.

#### **Construction of the P 185 Lecture Hall - U2 (The Otto Wichterle Hall)**

In order to expand the teaching facilities in the U2 Building, a modern tiered auditorium with a capacity of 185 places and the possibility of exploiting the latest cutting-edge audiovisual technologies was constructed. The vacated Physical Education facilities were used for this purpose. An integrated component of the auditorium facility is the multi-purpose dispersion area of the vestibule with the possibility of access to the various facilities on the -1 Basement and Ground Floors and their exploitation for social and cultural events.

**Realisation Date:** 2001, 2nd month **Overall Investment Cost:** 11,183 thous. CZK

#### **Presentation Technology - Renewal of the Technological Equipment of the AC Aula in the U2 Building**

The Academia Centre's Aula Auditorium was thoroughly modernised and equipped with modern presentation technologies in order to improve the quality of the tuition process combined with the possibilities afforded by the effective commercial exploitation of this facility for putting on large-scale conferences and social occasions - even for the General Public. This refurbishment allows quality sound reproduction, projection, filming, the exploitation of Closed Circuit TV and connection to the TBU information system.

**Realisation Date:** 2001, 5 weeks **Overall Investment Cost:** 4,411 thous. CZK

### **Category D**

#### **The Preparation of Investments in Line with TBU Prospective Investments to 2005**

In the context of the strategic development aims and objectives of TBU in Zlín and the effort to achieve international University levels and to strengthen its prestige, its activities are oriented to the areas of education, R&D and not least of all, the development of a whole range of investment activities. Their aim is to raise the educational capacity to a level of 5,000 students; to create a worthy studies environment; and the requisite facilities and logistical support.

The appropriate preparatory work and studies have been undertaken for the following projects:

- The construction of a Regional Information Centre.
- Extensions to the Halls of Residence housed in Building U7.
- The reconstruction of, and extension to, the U3 Building.
- The securing of the Svit, a. s., property rights to the VI. "Chlapecký domov" (Boys House), Nad Ovčárnou.

### **Category E**

#### **The acquisition of new properties for TBU**

##### **The Acquisition of a Service Flat, Zlín**

In order to assure sufficient accommodation capacity and temporary accommodation for visiting R&D workers to TBU, a one-roomed flat (Bedsit) was bought.

**Realisation Date:** 2001 **Overall Investment Cost:** 450 thous. CZK

### The Acquisition of a Service Flat, Zlín

In order to assure sufficient accommodation capacity and temporary accommodation for external pedagogues at FaME, a 2+1 (two-roomed) flat was bought.

**Realisation Date:** **Handover of completed flat: 2001** **Overall Investment Cost: 1,084 thous. CZK**

### Assuring the Reconstruction of the 13th ZŠ Site - Property Purchase

In connection with the reconstruction of the former 13th ZŠ (Basic School) into a University campus, and on the basis of a Purchase Contract drawn up between the Municipal Council of Zlín, the property including its built-up parts were bought. Purchase Cost: 10,500 thous. CZK. Actualised 12/2001.

**Realisation Date:** **2001** **Overall Investment Cost: 10,500 thous. CZK**

## 13.2 Involvement in the Fund for the Development of Universities Project

Table No. 30

Fund for the Development of Universities	No of Projects Accepted	Financial Resources Allocated (in thous. CZK)		
		Investments	Non-Investment	Total
	20	3,258	2,505	5,763

## 13.3 Involvement in the Programme for the Development of Public Universities

Table No. 31

Programme for the Development of Public Universities	No Project Applications	No Projects Accepted	Financial Resources Allocated in thous. CZK
Programme in support of Bachelor's Degree programme in line with the Bologna Declaration and the Support of Selected Studies Programmes	6	6	4,939
Programmes Supporting Continuous Education	0	0	0
Programmes in Support of International University Student Mobility	0	0	0
Programmes in Support of Studies programmes guaranteed by the University and realised at the Business College, Zlín	1	1	7,993
The Programme in Support of the Development of Teacher Educational Programmes and Other Educational Activities	2	2	689



In the course of the first year of its existence, Tomas Bata University in Zlín has fulfilled those tasks that it had for itself. It has managed to create a functional organism, which is - barring a few areas, characteristic for a properly functioning University.

It remains to complete the approvals process for a few internal regulations, which will have to be elaborated and registered in 2002; to complete the legislative steps for the new Faculty of Multimedia Communications; to expand the accommodation and teaching facilities; and to improve the quality of access to information.

From the perspective of the long-term orientation of the University, we have decided to apply the philosophy of a small, high-quality university with a high international standing. To achieve this evolutionary trend, steps will be taken to assure the creation of a high-quality personnel structure capable of communicating in an international environment and of acquiring a sufficient volume of information and to work with the same.

In the pedagogical domain, support for the inception of Bachelor's Studies programmes at TBU and its partner institutions will be continued. Qualitatively, we will implement all Doctoral Studies programmes such that graduates would be able to match themselves equally in all parameters with the graduates of advanced foreign Universities.

We devote great attention to our R&D activities. In this domain, the Faculties will progressively increase the productivity of their activities, especially by the creation of international R&D groupings and by the more marked involvement of students of the Doctoral Studies programmes in the various R&D programmes. There continue to be ongoing fundamental problems, which do not allow the achievement of the required level of effectiveness in these activities.

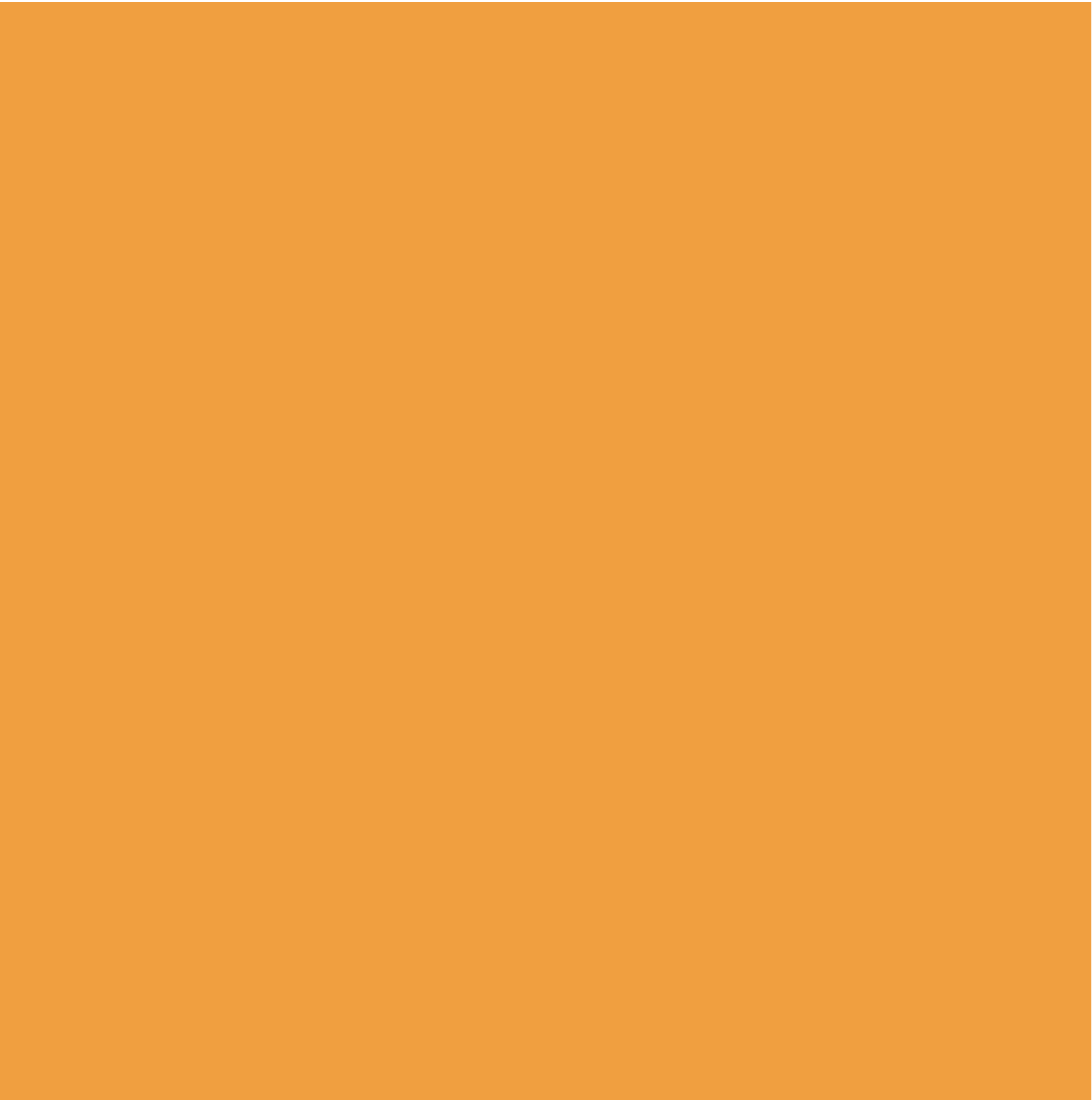
In the social area, we are resolved to create dignified working and social conditions for the employees and students of Tomas Bata University in Zlín.

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 Tomas Bata University in Zlín

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