

TECHNICAL UNIVERSITY OF SOFIA BULGARIA

TECHNICAL UNIVERSITY OF SOFIA BULGARIA IS A PREMIER INSTITUTION FOR HIGHER EDUCATION AND RESEARCH IN ENGINEERING AND TECHNOLOGY IN BULGARIA. ESTABLISHED OVER A CENTURY AGO, IT HAS GROWN TO BECOME ONE OF THE LARGEST AND MOST RESPECTED TECHNICAL UNIVERSITIES IN SOUTHEASTERN EUROPE. THE UNIVERSITY OFFERS A WIDE RANGE OF ACADEMIC PROGRAMS, STATE-OF-THE-ART FACILITIES, AND A STRONG EMPHASIS ON INNOVATION AND PRACTICAL TRAINING. IT ATTRACTS STUDENTS NOT ONLY FROM BULGARIA BUT ALSO INTERNATIONALLY, THANKS TO ITS HIGH ACADEMIC STANDARDS AND DIVERSE STUDY OPTIONS. THIS ARTICLE PROVIDES A COMPREHENSIVE OVERVIEW OF THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA, COVERING ITS HISTORY, ACADEMIC PROGRAMS, RESEARCH INITIATIVES, CAMPUS LIFE, AND INTERNATIONAL COLLABORATIONS. THE FOLLOWING SECTIONS WILL GUIDE YOU THROUGH DETAILED INFORMATION ABOUT THIS ESTEEMED INSTITUTION.

- HISTORY AND OVERVIEW
- ACADEMIC PROGRAMS AND FACULTIES
- RESEARCH AND INNOVATION
- CAMPUS AND FACILITIES
- INTERNATIONAL COOPERATION AND STUDENT LIFE

HISTORY AND OVERVIEW

THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA WAS FOUNDED IN 1945, BUILDING UPON EARLIER TRADITIONS OF TECHNICAL EDUCATION DATING BACK TO THE LATE 19TH CENTURY. IT IS THE OLDEST AND LARGEST TECHNICAL UNIVERSITY IN BULGARIA, PLAYING A CRUCIAL ROLE IN THE DEVELOPMENT OF THE COUNTRY'S ENGINEERING AND TECHNOLOGICAL SECTORS. THROUGHOUT ITS HISTORY, THE UNIVERSITY HAS EXPANDED ITS SCOPE AND INFRASTRUCTURE, ADAPTING TO THE EVOLVING DEMANDS OF SCIENCE AND INDUSTRY. TODAY, IT IS RECOGNIZED AS A LEADING CENTER FOR TECHNICAL EDUCATION IN THE BALKANS AND EUROPE.

FOUNDING AND DEVELOPMENT

THE UNIVERSITY ORIGINATED FROM THE HIGHER TECHNICAL SCHOOL IN SOFIA, ESTABLISHED IN 1945 TO PROVIDE SPECIALIZED TRAINING IN VARIOUS ENGINEERING DISCIPLINES. OVER THE DECADES, IT INCORPORATED NEW FACULTIES AND DEPARTMENTS, REFLECTING THE RAPID TECHNOLOGICAL ADVANCEMENTS AND INDUSTRIAL NEEDS OF BULGARIA. THE INSTITUTION HAS CONSISTENTLY MODERNIZED ITS CURRICULUM AND RESEARCH CAPABILITIES TO MAINTAIN ITS COMPETITIVE EDGE.

MISSION AND VISION

THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA AIMS TO DELIVER HIGH-QUALITY EDUCATION, PROMOTE SCIENTIFIC RESEARCH, AND FOSTER INNOVATION. ITS MISSION IS TO PREPARE SKILLED PROFESSIONALS CAPABLE OF CONTRIBUTING TO TECHNOLOGICAL PROGRESS AND SUSTAINABLE DEVELOPMENT. THE UNIVERSITY ENVISIONS ITSELF AS A HUB OF EXCELLENCE THAT BRIDGES ACADEMIA AND INDUSTRY, EMPHASIZING PRACTICAL EXPERIENCE AND GLOBAL ENGAGEMENT.

ACADEMIC PROGRAMS AND FACULTIES

THE UNIVERSITY OFFERS A BROAD SPECTRUM OF ACADEMIC PROGRAMS AT UNDERGRADUATE, GRADUATE, AND DOCTORAL LEVELS. THESE PROGRAMS COVER A WIDE RANGE OF TECHNICAL AND ENGINEERING FIELDS, AS WELL AS INTERDISCIPLINARY AREAS

THAT INTEGRATE TECHNOLOGY WITH BUSINESS AND MANAGEMENT.

FACULTIES AND DEPARTMENTS

THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA COMPRISES SEVERAL FACULTIES, EACH SPECIALIZING IN DISTINCT FIELDS OF ENGINEERING AND TECHNOLOGY. SOME OF THE MAJOR FACULTIES INCLUDE:

- FACULTY OF ELECTRICAL ENGINEERING
- FACULTY OF MECHANICAL ENGINEERING
- FACULTY OF COMPUTER SYSTEMS AND CONTROL
- FACULTY OF TRANSPORT
- FACULTY OF TELECOMMUNICATIONS
- FACULTY OF APPLIED MATHEMATICS AND INFORMATICS

EACH FACULTY OFFERS TAILORED CURRICULA DESIGNED TO MEET BOTH ACADEMIC STANDARDS AND INDUSTRY REQUIREMENTS.

DEGREE PROGRAMS AND SPECIALIZATIONS

STUDENTS AT THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA CAN CHOOSE FROM VARIOUS DEGREE PROGRAMS SUCH AS BACHELOR OF SCIENCE, MASTER OF SCIENCE, AND PH.D. IN FIELDS LIKE ELECTRICAL ENGINEERING, COMPUTER SCIENCE, TELECOMMUNICATIONS, MECHANICAL ENGINEERING, AND MORE. THE PROGRAMS EMPHASIZE THEORETICAL KNOWLEDGE, PRACTICAL SKILLS, AND RESEARCH METHODOLOGIES.

RESEARCH AND INNOVATION

RESEARCH IS A CORNERSTONE OF THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA'S ACTIVITIES. IT ACTIVELY ENGAGES IN CUTTING-EDGE PROJECTS THAT CONTRIBUTE TO TECHNOLOGICAL ADVANCEMENTS AND ADDRESS SOCIETAL CHALLENGES. THE UNIVERSITY COLLABORATES WITH INDUSTRY PARTNERS, GOVERNMENT AGENCIES, AND INTERNATIONAL RESEARCH INSTITUTIONS.

RESEARCH CENTERS AND LABORATORIES

THE UNIVERSITY HOSTS NUMEROUS SPECIALIZED RESEARCH CENTERS AND LABORATORIES EQUIPPED WITH MODERN TECHNOLOGY. THESE FACILITIES SUPPORT WORK IN AREAS SUCH AS ROBOTICS, RENEWABLE ENERGY, TELECOMMUNICATIONS, INFORMATION TECHNOLOGY, AND TRANSPORTATION SYSTEMS.

INNOVATION AND TECHNOLOGY TRANSFER

PROMOTING INNOVATION IS INTEGRAL TO THE UNIVERSITY'S MISSION. IT SUPPORTS TECHNOLOGY TRANSFER INITIATIVES THAT FACILITATE COMMERCIALIZATION OF RESEARCH OUTCOMES AND ENCOURAGE ENTREPRENEURSHIP AMONG STUDENTS AND FACULTY. THE UNIVERSITY FREQUENTLY PARTICIPATES IN EUROPEAN UNION-FUNDED PROJECTS AND INNOVATION NETWORKS.

CAMPUS AND FACILITIES

THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA BOASTS A WELL-DEVELOPED CAMPUS LOCATED IN THE HEART OF SOFIA, PROVIDING STUDENTS AND STAFF WITH EXCELLENT ACADEMIC AND RECREATIONAL AMENITIES. THE UNIVERSITY ENVIRONMENT PROMOTES A BALANCED AND PRODUCTIVE EDUCATIONAL EXPERIENCE.

ACADEMIC FACILITIES

THE CAMPUS INCLUDES MODERN LECTURE HALLS, COMPUTER LABS, SPECIALIZED WORKSHOPS, AND EXTENSIVE LIBRARIES WITH A VAST COLLECTION OF TECHNICAL LITERATURE AND DIGITAL RESOURCES. THESE FACILITIES ARE DESIGNED TO SUPPORT BOTH LEARNING AND RESEARCH ACTIVITIES.

STUDENT SERVICES AND AMENITIES

STUDENTS AT THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA BENEFIT FROM VARIOUS SUPPORT SERVICES, INCLUDING COUNSELING, CAREER GUIDANCE, AND EXTRACURRICULAR OPPORTUNITIES. THE CAMPUS ALSO FEATURES SPORTS COMPLEXES, CAFETERIAS, AND STUDENT DORMITORIES, CONTRIBUTING TO A VIBRANT CAMPUS LIFE.

INTERNATIONAL COOPERATION AND STUDENT LIFE

THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA MAINTAINS STRONG INTERNATIONAL TIES, ENABLING STUDENT AND FACULTY EXCHANGES, JOINT RESEARCH PROJECTS, AND PARTICIPATION IN GLOBAL ACADEMIC NETWORKS. THIS INTERNATIONALIZATION ENHANCES THE EDUCATIONAL EXPERIENCE AND BROADENS CAREER OPPORTUNITIES FOR GRADUATES.

GLOBAL PARTNERSHIPS

THE UNIVERSITY COLLABORATES WITH NUMEROUS UNIVERSITIES AND RESEARCH INSTITUTIONS WORLDWIDE. THESE PARTNERSHIPS FACILITATE ACADEMIC MOBILITY PROGRAMS SUCH AS ERASMUS+, SUMMER SCHOOLS, AND JOINT DEGREE INITIATIVES.

STUDENT ORGANIZATIONS AND ACTIVITIES

STUDENT LIFE AT THE TECHNICAL UNIVERSITY OF SOFIA BULGARIA IS ENRICHED BY A VARIETY OF CLUBS, PROFESSIONAL ASSOCIATIONS, AND CULTURAL EVENTS. THESE ACTIVITIES FOSTER COMMUNITY ENGAGEMENT, LEADERSHIP DEVELOPMENT, AND NETWORKING AMONG STUDENTS FROM DIVERSE BACKGROUNDS.

1. INNOVATIVE ENGINEERING WORKSHOPS AND HACKATHONS
2. INTERNATIONAL STUDENT CONFERENCES AND SEMINARS
3. SPORTS TOURNAMENTS AND CULTURAL FESTIVALS
4. VOLUNTEERING AND SOCIAL RESPONSIBILITY PROJECTS

FREQUENTLY ASKED QUESTIONS

WHAT PROGRAMS ARE OFFERED AT THE TECHNICAL UNIVERSITY OF SOFIA, BULGARIA?

THE TECHNICAL UNIVERSITY OF SOFIA OFFERS A WIDE RANGE OF PROGRAMS IN ENGINEERING, COMPUTER SCIENCE, ELECTRONICS, TELECOMMUNICATIONS, MECHANICAL ENGINEERING, CIVIL ENGINEERING, AND ARCHITECTURE, AMONG OTHERS.

IS THE TECHNICAL UNIVERSITY OF SOFIA ACCREDITED?

YES, THE TECHNICAL UNIVERSITY OF SOFIA IS ACCREDITED BY THE BULGARIAN MINISTRY OF EDUCATION AND SCIENCE AND IS RECOGNIZED BY VARIOUS EUROPEAN EDUCATIONAL AND PROFESSIONAL ORGANIZATIONS.

WHAT IS THE ADMISSION PROCESS FOR INTERNATIONAL STUDENTS AT THE TECHNICAL UNIVERSITY OF SOFIA?

INTERNATIONAL STUDENTS MUST SUBMIT AN APPLICATION FORM, PROOF OF PREVIOUS EDUCATION, LANGUAGE PROFICIENCY CERTIFICATES (USUALLY ENGLISH OR BULGARIAN), AND PASS ENTRANCE EXAMS OR INTERVIEWS DEPENDING ON THE CHOSEN PROGRAM.

DOES THE TECHNICAL UNIVERSITY OF SOFIA OFFER PROGRAMS IN ENGLISH?

YES, THE TECHNICAL UNIVERSITY OF SOFIA OFFERS SEVERAL BACHELOR'S AND MASTER'S DEGREE PROGRAMS TAUGHT IN ENGLISH, PARTICULARLY IN ENGINEERING AND COMPUTER SCIENCE FIELDS.

WHAT RESEARCH OPPORTUNITIES ARE AVAILABLE AT THE TECHNICAL UNIVERSITY OF SOFIA?

THE UNIVERSITY IS INVOLVED IN NUMEROUS RESEARCH PROJECTS FUNDED BY THE EU AND OTHER ORGANIZATIONS, FOCUSING ON AREAS LIKE RENEWABLE ENERGY, ROBOTICS, INFORMATION TECHNOLOGY, AND TELECOMMUNICATIONS.

HOW CAN I CONTACT THE TECHNICAL UNIVERSITY OF SOFIA?

YOU CAN CONTACT THE TECHNICAL UNIVERSITY OF SOFIA VIA THEIR OFFICIAL WEBSITE'S CONTACT PAGE, BY PHONE AT +359 2 965 30 00, OR BY VISITING THEIR CAMPUS LOCATED IN SOFIA, BULGARIA.

WHAT ARE THE TUITION FEES FOR STUDYING AT THE TECHNICAL UNIVERSITY OF SOFIA?

TUITION FEES VARY DEPENDING ON THE PROGRAM AND LEVEL OF STUDY, BUT FOR INTERNATIONAL STUDENTS, FEES TYPICALLY RANGE FROM APPROXIMATELY 2,000 TO 4,000 EUR PER ACADEMIC YEAR.

ARE THERE STUDENT ACCOMMODATION OPTIONS AT THE TECHNICAL UNIVERSITY OF SOFIA?

YES, THE UNIVERSITY PROVIDES DORMITORIES AND STUDENT HOUSING FACILITIES WITH AFFORDABLE RATES FOR BOTH LOCAL AND INTERNATIONAL STUDENTS.

WHAT CAREER SERVICES DOES THE TECHNICAL UNIVERSITY OF SOFIA OFFER TO ITS GRADUATES?

THE UNIVERSITY OFFERS CAREER COUNSELING, INTERNSHIP PLACEMENT PROGRAMS, JOB FAIRS, AND COLLABORATION WITH

ADDITIONAL RESOURCES

1. *HISTORY AND EVOLUTION OF THE TECHNICAL UNIVERSITY OF SOFIA*

THIS BOOK PROVIDES A COMPREHENSIVE OVERVIEW OF THE ESTABLISHMENT AND GROWTH OF THE TECHNICAL UNIVERSITY OF SOFIA. IT COVERS KEY MILESTONES FROM ITS FOUNDING IN 1945 TO ITS CURRENT STATUS AS A LEADING TECHNICAL INSTITUTION IN BULGARIA. THE BOOK ALSO HIGHLIGHTS THE UNIVERSITY'S CONTRIBUTIONS TO ENGINEERING EDUCATION AND RESEARCH OVER THE DECADES.

2. *ENGINEERING INNOVATIONS AT THE TECHNICAL UNIVERSITY OF SOFIA*

FOCUSING ON PIONEERING RESEARCH AND TECHNOLOGICAL ADVANCEMENTS, THIS BOOK SHOWCASES NOTABLE ENGINEERING PROJECTS AND INVENTIONS DEVELOPED AT THE TECHNICAL UNIVERSITY OF SOFIA. IT EXPLORES COLLABORATIONS BETWEEN FACULTY, STUDENTS, AND INDUSTRY PARTNERS THAT HAVE PROPELLED INNOVATION IN VARIOUS TECHNICAL FIELDS. READERS WILL GAIN INSIGHT INTO HOW THE UNIVERSITY FOSTERS CUTTING-EDGE SOLUTIONS.

3. *ACADEMIC PROGRAMS AND CURRICULUM DEVELOPMENT AT THE TECHNICAL UNIVERSITY OF SOFIA*

THIS TEXT OUTLINES THE DIVERSE RANGE OF ACADEMIC PROGRAMS OFFERED BY THE TECHNICAL UNIVERSITY OF SOFIA, INCLUDING ENGINEERING, COMPUTER SCIENCE, AND ARCHITECTURE. IT DISCUSSES THE EVOLUTION OF CURRICULA DESIGNED TO MEET MODERN INDUSTRY DEMANDS AND THE INTEGRATION OF PRACTICAL LEARNING EXPERIENCES. THE BOOK ALSO EXAMINES ACCREDITATION PROCESSES AND INTERNATIONAL EDUCATIONAL STANDARDS.

4. *NOTABLE ALUMNI OF THE TECHNICAL UNIVERSITY OF SOFIA*

HIGHLIGHTING THE ACHIEVEMENTS OF DISTINGUISHED GRADUATES, THIS BOOK PROFILES ALUMNI WHO HAVE MADE SIGNIFICANT IMPACTS IN ACADEMIA, INDUSTRY, AND GOVERNMENT. THEIR STORIES ILLUSTRATE THE UNIVERSITY'S ROLE IN SHAPING LEADERS AND INNOVATORS WITHIN BULGARIA AND BEYOND. THE VOLUME SERVES AS AN INSPIRATION FOR CURRENT AND PROSPECTIVE STUDENTS.

5. *RESEARCH AND DEVELOPMENT CENTERS AT THE TECHNICAL UNIVERSITY OF SOFIA*

THIS PUBLICATION DETAILS THE SPECIALIZED RESEARCH CENTERS AFFILIATED WITH THE UNIVERSITY, FOCUSING ON AREAS SUCH AS RENEWABLE ENERGY, ROBOTICS, AND INFORMATION TECHNOLOGY. IT SHOWCASES ONGOING PROJECTS AND INTERDISCIPLINARY COLLABORATION AIMED AT SOLVING COMPLEX TECHNICAL CHALLENGES. THE BOOK ALSO EMPHASIZES THE UNIVERSITY'S COMMITMENT TO ADVANCING SCIENTIFIC KNOWLEDGE.

6. *THE CAMPUS AND FACILITIES OF THE TECHNICAL UNIVERSITY OF SOFIA*

PROVIDING A VIRTUAL TOUR, THIS BOOK DESCRIBES THE UNIVERSITY'S CAMPUS INFRASTRUCTURE, INCLUDING LECTURE HALLS, LABORATORIES, AND INNOVATION HUBS. IT HIGHLIGHTS RECENT INVESTMENTS IN MODERN FACILITIES DESIGNED TO SUPPORT STUDENT LEARNING AND CUTTING-EDGE RESEARCH. READERS WILL APPRECIATE THE BLEND OF HISTORIC ARCHITECTURE AND CONTEMPORARY DESIGN.

7. *INTERNATIONAL COLLABORATIONS AND EXCHANGE PROGRAMS AT THE TECHNICAL UNIVERSITY OF SOFIA*

THIS VOLUME EXPLORES THE UNIVERSITY'S PARTNERSHIPS WITH GLOBAL INSTITUTIONS AND PARTICIPATION IN INTERNATIONAL EDUCATION NETWORKS. IT DETAILS STUDENT AND FACULTY EXCHANGE PROGRAMS, JOINT RESEARCH INITIATIVES, AND CROSS-BORDER ACADEMIC PROJECTS. THE BOOK UNDERSCORES THE IMPORTANCE OF GLOBAL CONNECTIVITY IN ENHANCING EDUCATIONAL QUALITY.

8. *TECHNICAL UNIVERSITY OF SOFIA: CONTRIBUTIONS TO BULGARIA'S INDUSTRIAL DEVELOPMENT*

EXAMINING THE UNIVERSITY'S INFLUENCE ON NATIONAL INDUSTRIAL PROGRESS, THIS BOOK DISCUSSES ITS ROLE IN SUPPLYING SKILLED ENGINEERS AND CONDUCTING APPLIED RESEARCH. IT HIGHLIGHTS COLLABORATIONS WITH BULGARIAN INDUSTRIES THAT HAVE LED TO TECHNOLOGICAL IMPROVEMENTS AND ECONOMIC GROWTH. THE NARRATIVE UNDERLINES THE UNIVERSITY'S STRATEGIC IMPORTANCE TO THE COUNTRY'S DEVELOPMENT.

9. *FUTURE DIRECTIONS AND STRATEGIC PLANS OF THE TECHNICAL UNIVERSITY OF SOFIA*

LOOKING AHEAD, THIS BOOK OUTLINES THE UNIVERSITY'S VISION FOR GROWTH, INNOVATION, AND EDUCATIONAL EXCELLENCE. IT DISCUSSES PLANNED INITIATIVES IN DIGITAL TRANSFORMATION, SUSTAINABILITY, AND EXPANDING INTERNATIONAL PRESENCE. THE PUBLICATION SERVES AS A ROADMAP FOR STAKEHOLDERS INTERESTED IN THE UNIVERSITY'S LONG-TERM GOALS.

Technical University Of Sofia Bulgaria

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technical university of sofia bulgaria: New Approaches for Multidimensional Signal Processing Roumen Kountchev, Rumen Mironov, Shengqing Li, 2021-03-19 This book is a collection of papers presented at the International Workshop on New Approaches for Multidimensional Signal Processing (NAMSP 2020), held at Technical University of Sofia, Sofia, Bulgaria, during 09-11 July 2020. The book covers research papers in the field of N-dimensional multicomponent image processing, multidimensional image representation and super-resolution, 3D image processing and reconstruction, MD computer vision systems, multidimensional multimedia systems, neural networks for MD image processing, data-based MD image retrieval and knowledge data mining, watermarking, hiding and encryption of MD images, MD image processing in robot systems, tensor-based data processing, 3D and multi-view visualization, forensic analysis systems for MD images and many more.

technical university of sofia bulgaria: New Approaches in Intelligent Image Analysis Roumen Kountchev, Kazumi Nakamatsu, 2016-05-19 This book presents an Introduction and 11 independent chapters, which are devoted to various new approaches of intelligent image processing and analysis. The book also presents new methods, algorithms and applied systems for intelligent image processing, on the following basic topics: Methods for Hierarchical Image Decomposition; Intelligent Digital Signal Processing and Feature Extraction; Data Clustering and Visualization via Echo State Networks; Clustering of Natural Images in Automatic Image Annotation Systems; Control System for Remote Sensing Image Processing; Tissue Segmentation of MR Brain Images Sequence; Kidney Cysts Segmentation in CT Images; Audio Visual Attention Models in Mobile Robots Navigation; Local Adaptive Image Processing; Learning Techniques for Intelligent Access Control; Resolution Improvement in Acoustic Maps. Each chapter is self-contained with its own references. Some of the chapters are devoted to the theoretical aspects while the others are presenting the practical aspects and the analysis of the modeling of the developed algorithms in different application areas.

technical university of sofia bulgaria: Comprehensive Directory of Universities in the World Volume 1- Country index from A-H I. Williams, 2011-08-19 This is a compilation of the list of universities in the world. This first directory volume contains the list of universities from countries that fall within the index A-H. The directory is made up of the names of the universities and their web addresses. Many universities are without web addresses. They are mentioned as well. The aim is to inform you that the university exists and you are advised to contact the appropriate embassy of that country to get the reliable address. However, three-quarters of the universities included in this first volume do have functional websites.

technical university of sofia bulgaria: Proceedings of the Second International Scientific Conference "Intelligent Information Technologies for Industry" (IITI'17) Ajith Abraham, Sergey Kovalev, Valery Tarasov, Vaclav Snasel, Margreta Vasileva, Andrey Sukhanov, 2017-09-30 This volume of Advances in Intelligent Systems and Computing highlights key scientific achievements and innovations in all areas of automation, informatization, computer science, and artificial intelligence. It gathers papers presented at the IITI 2017, the Second International Conference on Intelligent Information Technologies for Industry, which was held in Varna, Bulgaria on September 14-16, 2017. The conference was jointly co-organized by Technical University of Varna (Bulgaria), Technical University of Sofia (Bulgaria), VSB Technical University of Ostrava

(Czech Republic) and Rostov State Transport University (Russia). The IITI 2017 brought together international researchers and industrial practitioners interested in the development and implementation of modern technologies for automation, informatization, computer science, artificial intelligence, transport and power electrical engineering. In addition to advancing both fundamental research and innovative applications, the conference is intended to establish a new dissemination platform and an international network of researchers in these fields.

technical university of sofia bulgaria: Methodologies and Intelligent Systems for Technology Enhanced Learning, Workshops - 13th International Conference Zuzana Kubincová, Federica Caruso, Tae-eun Kim, Malinka Ivanova, Loreto Lancia, Maria Angela Pellegrino, 2023-08-28 This book includes the accepted papers of the four selected workshops which focus on integration of emerging technologies into education and training (ETELT), Interactive Environments and Emerging Technologies for eLearning (IETeL), Technology Enhanced Learning in Nursing Education (Nursing), and Technology Enhanced Learning for Future Citizens (TEL4FC). Education is the cornerstone of any society; it serves as one of the foundations for many of its social values and characteristics. mis4TEL'23 promotes the interaction among the scientific community to discuss applications of Technology Enhanced Learning solutions targeting not only cognitive and social processes but also motivational, personality, or emotional factors. In addition, current trends concerning the use of artificial intelligence can help and augment learning opportunities for learners and educators. We would like to thank all the contributing authors, the members of the program committee, national associations (AEPIA, and APPIA), and the sponsors (AIR Institute, and Camara Municipal de Guimarães).

technical university of sofia bulgaria: Bulgarian Integration Into Europe and NATO Robert D. Crangle, 2006 Of Paper for NATO Advanced Research Workshop: Assessing Research and Innovation Policies and Their Impact Development and State of the Art of Evaluation in Germany with Special Reference to Higher Education and Research; Models of Evaluation Systems in Greece; Out of Success, Success: How Ireland Refuses to Grow Complacent; The eFORSEE Malta Project: Spotlight on Science-Society Interactions and Learning; COS = The Netherlands Consultative Committee of Sector Councils for Research and Develop.

technical university of sofia bulgaria: *Recent Research in Control Engineering and Decision Making* Olga Dolinina, Alexander Brovko, Vitaly Pechenkin, Alexey Lvov, Vadim Zhmud, Vladik Kreinovich, 2019-01-28 This book constitutes the full papers and short monographs developed on the base of the refereed proceedings of the International Conference on Information Technologies: Information and Communication Technologies for Research and Industry (ICIT-2019), held in Saratov, Russia in February 2019. The book brings accepted papers which present new approaches and methods of solving problems in the sphere of control engineering and decision making for the various fields of studies: industry and research, ontology-based data simulation, smart city technologies, theory and use of digital signal processing, cognitive systems, robotics, cybernetics, automation control theory, image recognition technologies, and computer vision. Particular emphasis is laid on modern trends, new approaches, algorithms and methods in selected fields of interest. The presented papers were accepted after careful reviews made by at least three independent reviewers in a double-blind way. The acceptance level was about 60%. The chapters are organized thematically in several areas within the following tracks: • Models, Methods & Approaches in Decision Making Systems • Mathematical Modelling for Industry & Research • Smart City Technologies The conference is focused on development and globalization of information and communication technologies (ICT), methods of control engineering and decision making along with innovations and networking, ICT for sustainable development and technological change, and global challenges. Moreover, the ICIT-2019 served as a discussion area for the actual above-mentioned topics. The editors believe that the readers will find the proceedings interesting and useful for their own research work.

technical university of sofia bulgaria: Mathematics in Industry Angela Slavova, 2015-09-18 In this book, a wide range of problems concerning recent achievements in the field of

industrial and applied mathematics are presented. It provides new ideas and research for scientists developing and studying mathematical methods and algorithms, and researchers applying them for solving real-life problems. The importance of the computing infrastructure is unquestionable for the development of modern science. The main focus of the book is the application of mathematics to industry and science. It promotes basic research in mathematics leading to new methods and techniques useful to industry and science. The volume also considers strategy-making integration between scientists of applied mathematics and those working in applied informatics, which has potential for long-lasting integration and co-operation. The integration role is regarded here as a tool for consolidation and reinforcement of the research, education and training, and for the transfer of scientific and management knowledge. This volume operates as a medium for the exchange of information and ideas between mathematicians and other technical and scientific personnel. The book will be essential for the promotion of interdisciplinary collaboration between applied mathematics and science, engineering and technology. The main topics examined in this volume are: numerical methods and algorithms; control systems and applications; partial differential equations and real-life applications; the high performance of scientific computing; linear algebra applications; neurosciences; algorithms in industrial mathematics; equations of mathematical physics; and industrial applications of mechanics.

technical university of sofia bulgaria: Advances in ICT Research in the Balkans Costin Bădică, Marjan Gušev, Adrian Iftene, Mirjana Ivanović, Yannis Manolopoulos, Stelios Xinogalos, 2025-03-04 This book constitutes the refereed proceedings of the 10th Balkan Conference in Informatics on Advances in ICT Research in the Balkans, BCI 2024, held in Craiova, Romania, during September 4-6, 2024. The 23 full papers included in this book were carefully reviewed and selected from 31 submissions. They were organized in topical sections as follows: Data Mining and Machine Learning; Software and Systems; Languages and Text; Learning Issues; Distributed Systems; Medical and Health Issues; Web Issues and Tools; Security and Privacy.

technical university of sofia bulgaria: 10000 International & American Colleges and Universities Nam H Nguyen, 2018-06-05 is an eBook to give higher education to people by giving them excellent schools' URLs around the world. The parents and students deserve to know, before they enroll, that the schools they've chosen will deliver the value by helping students compare the value offered by colleges and on holding institutions accountable for preparing their students to be successful. 10000 International & American Colleges and Universities will help you anywhere you go; it is a quick and easy reference tool that has just the Colleges and Universities with URL you want to check out! Just remember one thing that learning never stops! Read, Read, Read! And Write, Write, Write!

technical university of sofia bulgaria: Guide to International Outsourcing ,
technical university of sofia bulgaria: Advanced Intelligent Technologies and Sustainable Society Kazumi Nakamatsu, Srikanta Patnaik, Roumiana Kountcheva, 2024-08-10 This book includes new research results of scholars from the Fourth International Conference on Advanced Intelligent Technologies (ICAIT 2023) organized by IRNet International Academic Communication Center, held during November 3-5, 2023. The book covers research work from active researchers who are working on collaboration of industry and various intelligent technologies such as intelligent technologies applicable/applied to manufacturing and distribution of industrial products, factory automation, business, etc. The topics included are all computational intelligence techniques applicable/applied to industry, intelligent techniques in data science applicable/applied to business and management, intelligent network systems applicable/applied to industrial production, intelligent technologies applicable to smart agriculture, and intelligent information systems for agriculture.

technical university of sofia bulgaria: New Realities, Mobile Systems and Applications Michael E. Auer, Thrasyvoulos Tsiatsos, 2022-04-08 This book devotes to new approaches in interactive mobile technologies with a focus on learning. Interactive mobile technologies are today the core of many—if not all—fields of society. Not only the younger generation of students expects a

mobile working and learning environment. And nearly daily new ideas, technologies and solutions boost this trend. To discuss and assess the trends in the interactive mobile field are the aims connected with the 14th International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL2021), which was held online from 4 to 5 November 2021. Since its beginning in 2006, this conference is devoted to new approaches in interactive mobile technologies with a focus on learning. Nowadays, the IMCL conferences are a forum of the exchange of new research results and relevant trends as well as the exchange of experiences and examples of good practice. Interested readership includes policy makers, academics, educators, researchers in pedagogy and learning theory, school teachers, learning Industry, further education lecturers, etc.

technical university of sofia bulgaria: Science Policy and Research Management in the Balkan Countries G. Parissakis, Nikolaos Katsaros, 2012-12-06 During the last years, important geopolitical changes took place in the broader area of Eastern Europe, having as a consequence, among others, the change of policy and strategy in many fields such as social, economical, commercial, scientific e.t.c. It was a contemporary demand to have a meeting of scientists from various countries and especially from countries of the Eastern Europe and the Balkan area, where the various problems concerning the scientific, technological and research fields could be studied and discussed. The goals of this meeting would be: mutual information, broadening of cooperation possibilities through common research programs, as well as possible development of a common policy in certain sections of science and technology of mutual interest. The realization of this meeting, which came true with the initiative, the moral of the NATO Scientific Affairs Division gave the and full economical support pursued results included in the present volume. It was my pleasure to act as the Director of the NATO ARW and I am most grateful to the NATO Scientific Affairs Division for the financial support and especially to its Programme Director, Dr. Alain Jubier, whose contribution to every step of the workshop was essential so that this meeting would be effective.

technical university of sofia bulgaria: *Learning and Collaboration Technologies* Panayiotis Zaphiris, Andri Ioannou, 2023-07-08 This two-volume set of LCT 2023, constitutes the refereed proceedings of the 10th International Conference on Learning and Collaboration Technologies, LCT 2023, held as Part of the 24th International Conference, HCI International 2023, which took place in July 2023 in Copenhagen, Denmark. The total of 1578 papers and 396 posters included in the HCII 2023 proceedings volumes was carefully reviewed and selected from 7472 submissions. The papers of LCT 2022 Part I are organized in topical sections named: Designing Learning Experiences; Understanding the Learning Experience; Technology-supported Teaching; Supporting Creativity in Learning.

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