

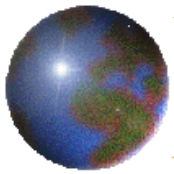
Sofia University

Software engineering department



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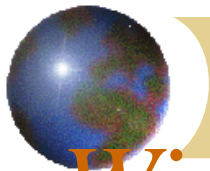


Bulgaria



- ✪ Founded 681
- ✪ Territory: 110 912 km²
- ✪ Population: over 7 mil
- ✪ Capital: Sofia

- ✪ NATO membership since April 2004
- ✪ European Union membership since 2007

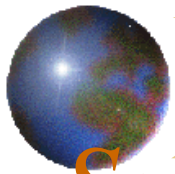


Winter tourist destination



📍 Mountain resorts

- 📍 Borovetz
- 📍 Bansko
- 📍 Pamporovo

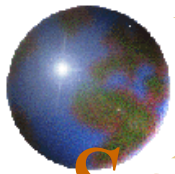


Summer Tourist Destination



- ☉ Zlatni Piasaci (Golden Sands)
- ☉ Slantchev Briag (Sunny Beach)
- ☉ Sozopol
- ☉ Nesebar

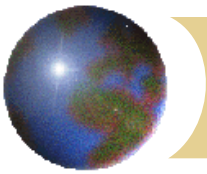




Sofia



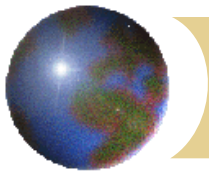
- ❖ Founded 7th century BC
- ❖ Capital of Bulgaria since 1879
- ❖ Population of about 1,25 million
- ❖ Territory of 190 sq.km
- ❖ Many mineral water springs



Sofia University - Educational and Scientific Centre of Bulgaria



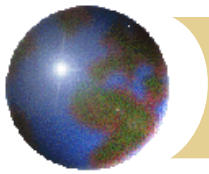
- ❖ **35,000 students**
- ❖ **15 Faculties**
- ❖ **80 Bachelor's and over 200 Master's degree programmes**
- ❖ **Over 3000 teachers and researchers**
- ❖ **Very important role for the development of the country**
- ❖ **Background:**
 - ❖ **economic and social changes**
 - ❖ **brain-drain, e-skills gap**
 - ❖ **low wages**
 - ❖ **not good enough infrastructure**
- ❖ **Challenges:**
 - ❖ **to become a National and Regional High-Technology and Innovation Centre, an entrepreneurial university that understands the commercial value of knowledge and drives the country towards Knowledge Economy**
 - ❖ **to adopt some new standards and models of education**
 - ❖ **to work for the new role of universities as an infrastructure of Knowledge Economy**
 - ❖ **to build a sustainable university-industry-government partnership**



Faculty of Mathematics and Informatics

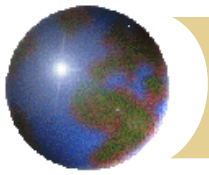


- ⊕ Established in 1889
- ⊕ Currently 7 BSc Programs
- ⊕ More than 25 MSc programs
- ⊕ PhD program linked to EC IST RTD priorities
- ⊕ Over 2500 students;
- ⊕ Over 180 instructors
- ⊕ 4 IT Departments
 - ⊞ **Software Engineering**
 - ⊞ Information Technologies
 - ⊞ Computational Informatics
 - ⊞ Computational systems



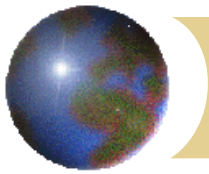
Implementing ACM/IEEE CC2005 at Sofia University

- ❖ **New BSc programs**
 - ❖ **Computer Science** (since 2005/2006 academic year)
 - ❖ **Software Engineering** (since 2006/2007 academic year)
 - ❖ **Information Systems** (since 2006/2007 academic year)
- ❖ **with focus on the quality**



MSc Programs

- ❖ Artificial Intelligence
- ❖ Bio Informatics
- ❖ Computational Science and Engineering
- ❖ Computer Graphics
- ❖ eLearning
- ❖ Information Security
- ❖ Information Systems
- ❖ Mathematical Modeling
- ❖ Mathematical Modeling in Economics
- ❖ Mechatronics and Robotics
- ❖ Mobile Technologies and Distributed Systems
- ❖ Probability & Statistics
- ❖ Software Engineering
- ❖ Technology entrepreneurship

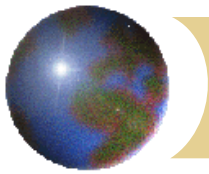


Stevens MSIS Program

Importing IT Management Competence at Sofia University

The screenshot shows a web browser window with the URL <http://www-it.fmi.uni-sofia.bg/msis/>. The page title is "MASTER OF SCIENCE IN INFORMATION SYSTEMS". The navigation menu includes: HOME, GENERAL OVERVIEW, PEOPLE, NEWS & EVENTS, CURRICULUM, USEFUL LINKS, and CONTACT US. A red banner below the menu states "SCOLARSHIP FOR ALL STUDENTS PROVIDED!". The main content area features the Stevens Institute of Technology logo on the left and the Sofia University logo on the right. The central text reads: "Ladies and Gentlemen, It is a great pleasure to welcome you to the Master of Science in Information Systems (MSIS) program of the Stevens Institute of Technology. This is a program, delivered jointly by two leading academic institutions - Stevens Institute of Technology, an American private institute, world-recognized for the high quality of its IT and business-oriented programs and the oldest and biggest Bulgarian University SU 'St. Kliment Ohridski'". Below this, it states: "This strategic partnership gives us the opportunity to provide you with a new outstanding curriculum that will allow you to expand the frontiers of your careers by increasing the level of your technical and business competences and abilities." and "These leading academic institutions have joined together to offer this unique interdisciplinary MSIS program, inviting leading American and Bulgarian lecturers with substantial corporate experience and academic qualification, and a combination of top management perspectives and successful IT careers. The program is delivered under the academic control of the Stevens Institute of Technology and leads to its world recognized diploma." At the bottom, a red banner says "Become a Leader in Information Technology Management!". The browser's taskbar shows several open applications including Internet Explorer, Outlook Express, Adobe Acrobat, Microsoft Office, and eLearn-IDG-Sofia-M...

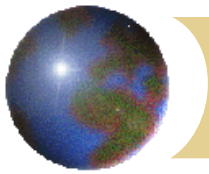
<http://www-it.fmi.uni-sofia.bg/msis/>



Research projects (1)

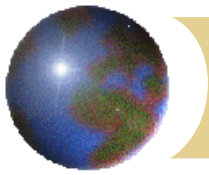
Centre of IST

- ✦ More than 50 projects related to the European Space of Higher Education, FP4, FP5, FP6, FP7, Tempus, Leonardo, Phare, etc.
- ✦ Several projects in innovation and technology transfer
- ✦ Strong links with ICT industry: Intel, Cisco, HP, Oracle, Microsoft, SAP, local SMEs



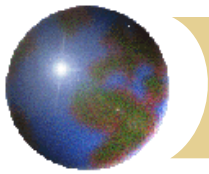
Research projects (2)

- ⊗ SE related European projects
 - ⊗ FP5 IST project eXPERT: best practice on e-business development methods
 - ⊗ FP5 IST project WG ECUA: European COTS working group extension
 - ⊗ FP5 IST project Diogen: A training web broker for IST professionals
 - ⊗ FP6 IP Project TENCOMPETENCE: Building The European Network for Lifelong Competence Development
- ⊗ Bulgarian Ministry of Education and Science funded project 'Agile methodology for software development'
- ⊗ NESSI members



Research

- ✚ Component Based Software Engineering
- ✚ Agile methodologies
- ✚ Software services
 - ▣ interoperability, testing
- ✚ e-Learning and Advanced Educational and Training Technologies
- ✚ Knowledge Management and Knowledge Engineering
- ✚ GRID computing



Courses in English & Calender

- ✦ The courses in our master programs (Software Engineering and Technology entrepreneurship and innovations in information technologies) which could be given in English:

http://dse.fmi.uni-sofia.bg/teaching_en.html#

- ✦ The official calendar of University :

<http://www.uni-sofia.bg/calendar/index.html>

- ✦ but we may negotiate for earlier start of visiting students