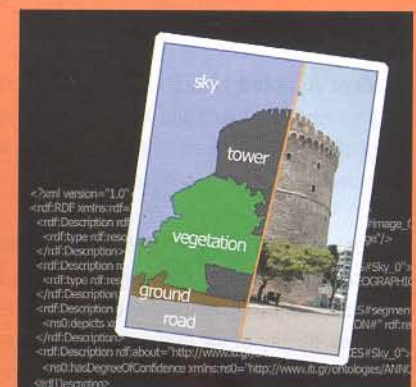
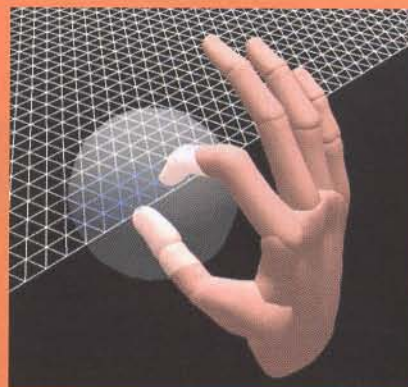




Informatics and Telematics Institute (ITI) Centre of Research and Technology Hellas (CERTH)



Centre of Excellence in Informatics and Telematics R&D
Your reliable research partner in the emerging ICT technologies



HISTORY - STATUS

- Founded in 1998 in Thessaloniki, Greece
- Founding member of the Centre for Research and Technology Hellas (CERTH) (<http://www.certh.gr>)
- Employs 8 senior researchers, over 80 full time researchers and technicians and cooperates closely with 13 university professors from 5 universities
- Focuses on the development of scientific and technological research in the areas of Informatics and Telematics, technology transfer and the commercial exploitation of research results
- Constitutes a major research and development centre in Greece, with continuous interaction with the academic community, the National and European Informatics and Telematics Industry, and the Public Sector
- Participated in more than 45 EC Information Society Technologies (IST) research projects and more than 75 National projects and Contracts with the Private Sector (I&T Industry), since 2000
- Attracted an income of over €5 million per year from National and European competitive R&D projects, since 2003
- Authored over 130 publications in scientific journals, over 400 articles in international conferences and over 50 books and book chapters since 2000

ACTIVITIES – RESEARCH AREAS

ITI-CERTH is currently active in the following research areas:

- Virtual and Augmented Reality
- Semantic Multimedia Analysis and Semantic Web Technologies
- Biometrics for Security and Surveillance
- e-Learning, Educational and Cultural Technologies
- Computer Vision and Pattern Recognition

- Data Representation, Coding and Security
- Smart Sensors and Tele-Medicine Applications
- e-Commerce, e-Business and e-Government
- Telecommunications and Telematics
- Distributed Computing and Grid Technologies
- Bioinformatics
- Cooperative Systems in Transport

Apart from its research activities, ITI-CERTH undertakes also the technical and financial management of R&D projects as well as their applications integration and the installation of pilots.

FUTURE RESEARCH CHALLENGES (2007-2017)

Research pillars for the next decade include:

- Ubiquitous network infrastructures and architectures
- Secure, dependable and trusted Infrastructures
- Interoperable multimedia network
- Distributed robotic systems, interactive systems and cognitive systems
- Components, systems, engineering
- Networked Embedded and Control Systems, Sensor Networks
- Digital libraries, Usage and Learning
- Intelligent Content Creation and Management
- Sustainable and personalised healthcare
- Advanced ICT for Risk Assessment and Patient Safety
- Virtual Physiological Human in e-Health
- Intelligent Car and Mobility Services
- ICT and Ageing, eInclusion
- Personalized knowledge for adaptive multimedia content

PARTNERSHIPS

Strong links with academia/research (INRIA, HHI, CWI, Fraunhofer, Max-Planck, etc) and industry (Siemens, Philips, Microsoft, Motorola, Telefonica, France Telecom. etc) in Europe and worldwide (ETRI, Microsoft, etc).

AWARDS

- ITI-CERTH received the first prize for excellence in the major Thessaloniki Technical Exhibition of 2001.
- ITI-CERTH has been selected as a national Centre of Excellence in the area of 3D Imaging by an international committee of ICT experts.
- In 2005 ITI-CERTH received the "European Group Technical Achievement Award" by the European Association for Signal, Speech and Image Processing (EURASIP) for significant contributions to the theory and application of digital filtering and image processing and coding.

FP7 CHALLENGES

ITI-CERTH has successfully participated in EU FP5 and FP6, especially in the IST programme. In FP7 ITI-CERTH focuses mainly on the following challenges:

- Pervasive and Trusted Network and Service Infrastructures
- Cognitive Systems, Interaction, Robotics
- Components, systems, engineering
- Digital Libraries and Content
- Sustainable and personalised healthcare
- ICT for Mobility, Environmental Sustainability and Energy Efficiency
- ICT for Independent Living and Inclusion

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