

Science beyond Fiction

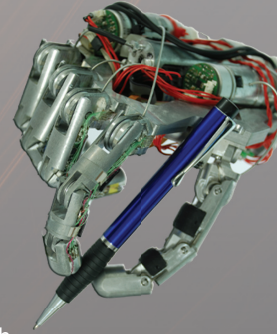
An Excursion into
Future and Emerging Technologies

Exhibition
20-21 April 2010
European Parliament
Strasbourg - Galerie Nord

Opening - 20 April 2010, 17.30

- What is the 'Science beyond Fiction' Exhibition?

How will Information and Communication Technologies change your life in the future? The 'Science beyond Fiction' exhibition will give you an exciting glimpse of how European researchers are pushing the boundaries of science & technology to enable radically new opportunities.



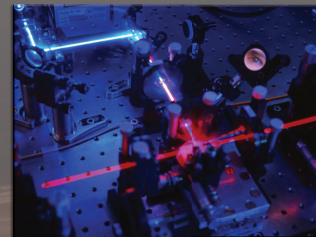
- About FET



The Future and Emerging Technologies (FET) scheme, promotes long-term, high risk research that aims to advance scientific and technological knowledge in Information and Communication Technologies. FET research aims to have a profound transformational impact on science, technology and society through some 150 projects that are currently funded by the European Commission's FET programme.

FET research has contributed to Europe's leadership in areas like quantum computing and communications, nanoelectronics, neuro- and bio- information science, advanced robotics and complex systems.

FET fosters excellence in science and research. Partners in several FET-funded European research projects have received top awards, such as the 2005 and 2007 Nobel Prizes in Physics.



- Looking Ahead

The Commission Communication on 'Moving the ICT frontiers', emphasising the success and strategic importance of FET, and devises a longer-term strategy to strengthen research into future and emerging information technologies.

The strategy, endorsed in 2009 by the Competitiveness Council, includes key actions, such as launching large scale visionary, science and goal-driven FET flagship initiatives that will strongly impact on the cooperation between national and European programmes, as well as targeted actions to empower talented young researchers to lead high risk research projects, and actions to strengthen the engagement of high-tech research intensive SMEs in FET research.

- More on FET

More information on the Future and Emerging Technologies scheme at cordis.europa.eu/fet

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European Commission
Information Society and Media

Invitation

Opening

Galerie Nord - 20 April, 17.30

hosted by Mrs. Maria Da Graça Carvalho, MEP

• Welcome

Mr. Jerzy Buzek, President EP

Mr. Herbert Reul, ITRE chair, EP

• Opening Address

Ms. Neelie Kroes

Vice-President of the European Commission

European Digital Agenda Commissioner

• FET - a Scientist's View

Prof. Paolo Dario

Scuola Superiore Sant'Anna

• Cocktail

Exhibition

Galerie Nord

20 April, 12.00 - 21 April, 18.00

• Understanding Global Systems

Global societal threats are better understood and managed through foundational research on complex systems .

EPIWORK - coordinator: Alessandro Vespignani, Institute for Scientific Interchange Foundation Torino

GSD - coordinator: Steven Bishop, University College London

• Better Living



The lives of citizens with special needs will be significantly improved by novel technologies such as brain controlled artificial hands and sensory implants.

CyberHand - coordinator: Paolo Dario, Scuola Superiore Sant'Anna

SmartHand - coordinator: Thomas Laurell, Lund University

CLONS - coordinator: Silvestro Micera, Scuola Superiore Sant'Anna

• Brain Inspired Technologies

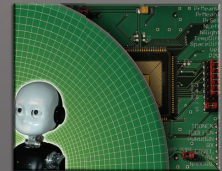
Observing and mimicking the unique capabilities of the brain inspires radically new computing paradigms and powerful technologies

Brain-i-Nets - coordinator: Robert Legenstein, Graz University of Technology

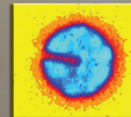
FACETS - coordinator: Karlheinz Meier, Ruprecht-Karls-Universität Heidelberg

Emorph - coordinator: Chiara Bartolozzi, Italian Institute of Technology

Caviar - coordinator: Bernabé Linares-Barranco, Sevilla Institute of Microelectronics



• Observing and Learning from Nature



New imaging technology allows scientific exploration of nature, whereas new sensing technology is derived from new insights into nature

Megaframe - coordinator: Edoardo Charbon, Ecole Polytechnique Fédérale de Lausanne

BioTact - coordinator: Tony Prescott, University of Sheffield

• Data Deluge and Privacy

Mastering the exponential increase of data and ensuring privacy are crucial challenges for the 21st century. Future technologies are essential to meet this challenge.

GeoPKDD - coordinator: Fosca Giannotti, Consiglio Nazionale delle Ricerche

Vismaster - coordinator: Jörn Kohlhammer, Fraunhofer IGD Institute

• Human-Computer Confluence

The fast evolution of digitally mediated interaction technologies leads to totally new applications in fields such as rehabilitation and learning. Highly interdisciplinary research is at the heart of such evolution.

Immersence - coordinator: Martin Buss, Technical University of München

Presencia - coordinator: Mel Slater, Universitat Politècnica de Catalunya

