



Programme at a glance

<http://ec.europa.eu/fet09>

Tuesday, 21 April 2009

09.00 – 09.45 Opening session (Room: Zenit+Nadir)

Henry Markram, Ecole Polytechnique Fédérale de Lausanne, Switzerland
“Shaping 21st Century Science & Society”

09.45 – 10.15 Welcome and Opening of the Exhibition

Mirek Topolánek, Prime Minister of the Czech Republic
Viviane Reding, European Commissioner for Information Society and Media

Coffee break - Foyer

10.45 – 11.30 Highlights of Future and Emerging Technologies

11.30 – 13.00 Panel discussion

The value of multidisciplinary transformative research for future Information and Communication Technologies

Lunch break - Brasserie Veduta – 2nd floor

14.30 – 15.15 Anton Zeilinger, University of Vienna, Austria “Quantum Information: The New Frontier”

15.15 – 16.45 Panel discussion

The way forward for strengthening multi-disciplinary research for future Information and Communication Technologies in Europe

Coffee break - Foyer

17.15 – 18.00 Ehud Shapiro, Weizmann Institute of Science, Israel “A Word-processor for DNA”

18.00 – 19.00 Poster session (part 1) – Foyer

20.00 Welcome Dinner Bethlehem Chapel (Betlémská kaple)

Wednesday, 22 April 2009

09.00 – 10.30 Plenary session (Room: Zenit+Nadir)

Henrik Ehrsson, Karolinska Institute, Sweden “Two legs, two arms, one head. Who am I?”
Jeannette Wing, National Science Foundation, USA “Computational Thinking and Thinking about Computing”

Coffee break - Foyer

11.00 – 12.30 Parallel sessions

- The ultimate robot Room: Leo
- Music and the brain Room: Tycho
- Single atom functionality in electronic devices Room: Virgo
- FET Flagships: big goals, big challenges, big projects Room: Aquarius
- Agent-based technologies for innovative economic policy design Room: Kepler
- Reflective computing Room: Taurus

Lunch break - Brasserie Veduta - 2nd floor

14.00 – 15.30 Parallel sessions

- Quantum information technologies Room: Virgo
- Embodied intelligence Room: Leo
- Bridging the gap between the brain and the machine Room: Tycho
- Visions: key challenges for pervasive adaptation Room: Aquarius
- Modelling and guiding attention in an increasingly complex world Room: Taurus
- Complexity perspectives on innovation Room: Kepler

Coffee break - Foyer

16.00 – 17.30 Parallel sessions

- Collective robotics: adaptivity, co-evolution, robot society Room: Leo
- Collective social phenomena in techno-socio networks Room: Aquarius
- The frontiers of algorithmic complexity: classical vs quantum Room: Virgo
- Open source science Room: Kepler
- Striving for realism in virtual worlds: sensation, perception, technology and the auditory brain Room: Tycho

17.30 – 19.00 Poster session (part 2) – Foyer

17.30 - 19.30 On the Fly Sessions

Thursday, 23 April 2009

09.00 – 10.30 Plenary session (Room: Zenit+Nadir)

Alain Berthoz, Collège de France, Paris
“New Frontiers between IST, Robotics and Cognitive Neuroscience”
Albert-László Barabási, Centre for Complex Network Research at Northeastern and Department of Medicine, Harvard Medical School
“From Networks to Human Mobility Patterns”

Coffee break - Foyer

11.00 – 12.30 Parallel sessions

- Presence: real actions in virtual environments Room: Taurus
- Unconventional computing Room: Virgo
- Trust and security interrelationship Room: Leo
- Aesthetics as the heart of science Room: Tycho
- Self-powered nano-devices Room: Aquarius
- Through the crystal ball: Europe's position in the digital revolution by 2030 Room: Kepler

Lunch break - Brasserie Veduta - 2nd floor

14.00 – 15.30 Parallel sessions

- Bodily intelligent modular robots Room: Leo
- Visual analytics – Mastering the information age Room: Aquarius
- The body and the urban space Room: Tycho
- Neurofunctional materials Room: Virgo
- Challenges and visions for global computing Room: Taurus
- Language and the mind Room: Kepler

Coffee break - Foyer

16.00 – 17.00 Closing session

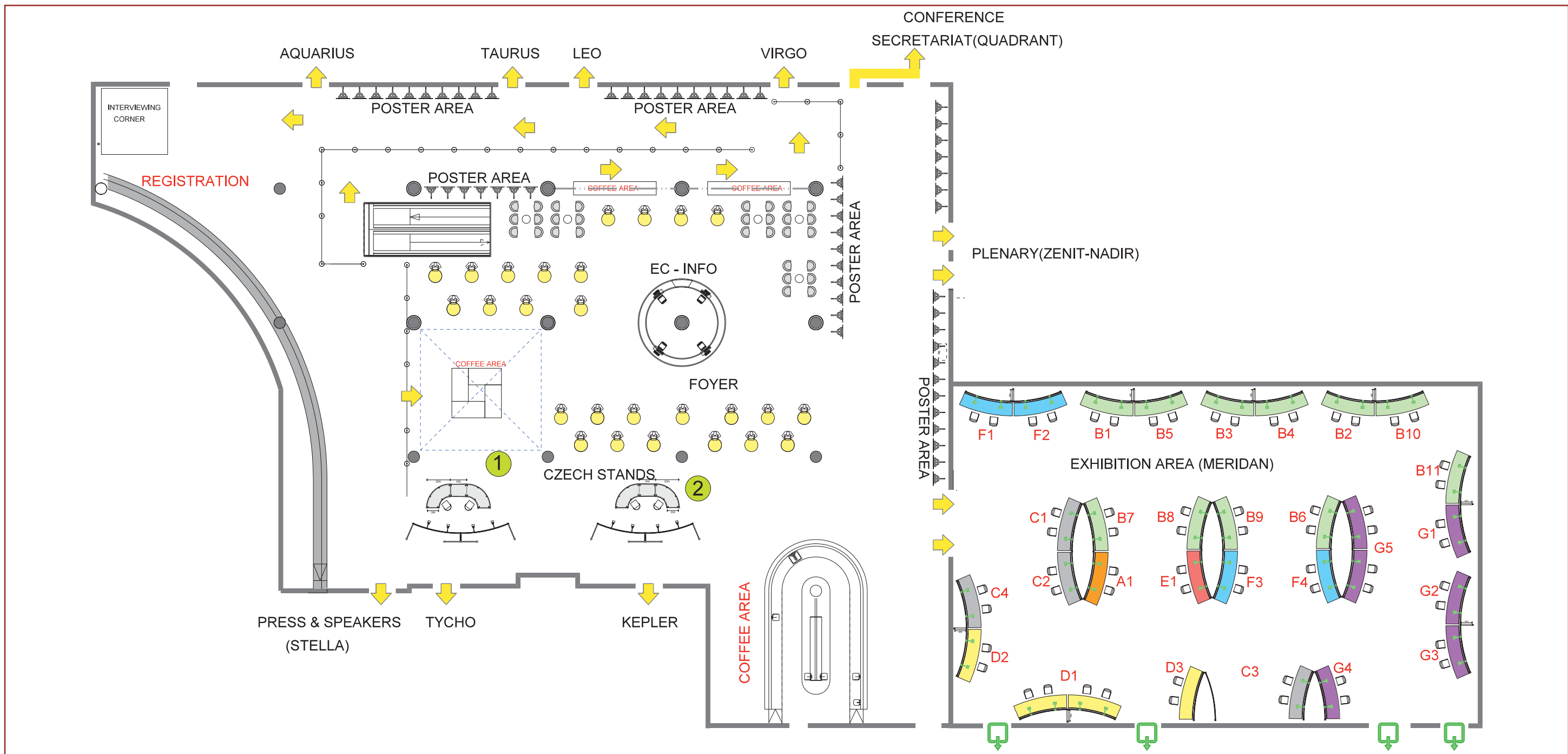
Award of the Best Exhibitor Prize

Closing address by
Ondřej Liška, Minister of Education, Youth and Sports, Czech Republic
Rudolf Strohmeier, Head of Cabinet of the Commissioner for Information Society and Media

Closing Performance: Multimodal Brain Orchestra SPECS, Synthetic, Perceptive, Emotive and Cognitive Systems group
Jonatas Manzolli, Music Composition
Behdad Rezazadeh, Video art
gTec, Brain Computer Interface Technology

Clarion Congress Hotel Prague

Freyova 33
Prague 9
Prague, Czech Republic
Phone: (420) 211 131 111
Fax: (420) 211 131 401



A1 - Your worldwide ICT support network (IDEAL IST)

B1 - Closing the Loop of Sound Evaluation and Design (CLOSED)

B2 - Reflective assistant

B3 - Natural voice dialog interfaces for consumer electronic devices (Interactive TV, MP3 players, in-car navigation)

B4 - Mobile Attentive Interfaces in Urban Scenarios (MOBVIS)

B5 - Previews of Natural Interactive Walking (preNIW)

B6 - Demonstrating companions: persistent, personalised, multimodal interfaces to the internet (COMPANIONS)

B7 - Human-computer systems for the study of cognition and translation (EYE-to-IT)

B8 - Talking with the World Wide Web (Voice2Web)
Talking with an avatar on a mobile client (3D Mobile Internet)

B9 - "More than words" (PASION)

B10 - Interaction and Presence in urban environments (IPCity)

B11 - Gaze-contingent displays and gaze-based interaction (GazeCom)

C1 - Symbiotic Evolutionary Robot Organisms (SYMBRION)

C2 - A day in the life of XPERO robot (XPERO project demo)

C3 - The Cognitive Robot Companion (COGNIRON)

C4 - Bio-inspired artefacts for neuroscientific studies on locomotion and new technology (LAMPETRA)

D1 - Smart home control with Brain-Computer Interface (BCI)
Position reconstruction with place cells (Rat-GPS)
Rehabilitation Gaming and Activity Monitoring System (RGS)

D2 - Rehabilitation of a discrete sensory motor learning function by a prosthetic chip (ReNaChip)

D3 - Starlab - A FET SME

E - Turing Game Approach to Measure and Advance Machine Intelligence (T-GAME)

F1 - Metamaterials in Europe (MetaEurope)

F2 - QUBIT Applications (QAP)

F3 - Disposable Dot Field Effect Transistor for high speed si integrated circuits (d-DotFET)

F4 - Million Frame per second, time-correlated single photon camera (MEGAFRAME)

G1 - Ubiquitous computing modules for complex systems modelling (Ubidules@home)

G2 - Accelerators of Advanced Algorithms for Image Processing (AAA_IP)

G3 - Rigorous Engineering of Service-Oriented Software (SENSORIA)

G4 - Globally-available Internet-connected ambient spaces (CTI)

G5 - 3DTV and Digital Holography - Dream or future reality (HOLO 3DTV)
Multimodal human-computer interaction and industrial control systems (MHCIICS)
Efficient representation of dynamic meshes (3D animation compression)