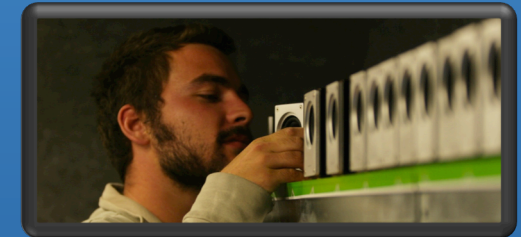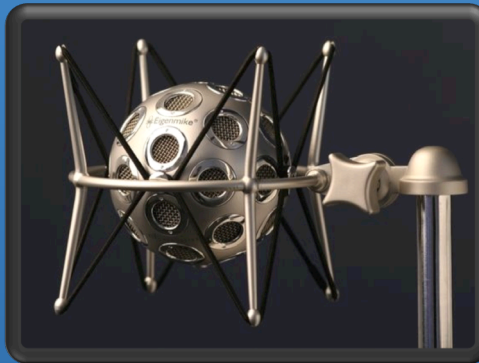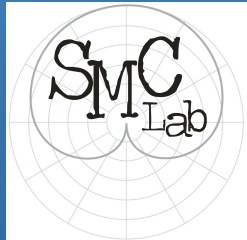SCENIC

Organized by
Politecnico di Milano – DEI

SMC Lab

with the collaboration of

- Imperial College, London
- Fondazione Bruno Kessler, Trento
- Università di Firenze
- Università di Parma
- Università di Roma "La Sapienza"

Academic partners

Politecnico di Milano, Image and Sound Processing Group, Sound and Music Computing Lab

Imperial College, London, Comm. and Signal Processing Group, Dept. of Electrical & Electronic Eng.

Fondazione Bruno Kessler, Trento

Università di Firenze, Dipartimento di Elettronica e Telecomunicazioni

Università di Parma, Dipartimento di Ingegneria Industriale

Università di Roma "La Sapienza", Dip. di Ing. dell'Informazione, Elettronica e Telecomunicazioni

New trends in audio processing and rendering

New opportunities for the audio industry

Milano, Nov. 21, 2011
FAST - Sala Morandi
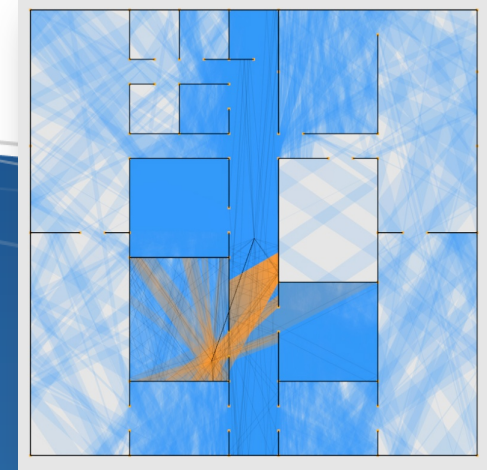Piazzale R. Morandi 2, Milano

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New directions for tomorrow's audio

Spatial audio processing is radically changing our way of acquiring and experiencing audio. Array processing is already commonplace in public address systems, is now heavily penetrating the consumer market as well. Is this transformation in its full bloom or is this just the beginning? Where is current research going? How will space-time processing affect the professional and the consumer market?

This workshop, organized by the Politecnico di Milano, and sponsored by the SCENIC Project (www.thescenicproject.eu) in collaboration with leading Universities in Europe, intends to provide answers to these questions, with an overview of the state of the art in audio processing and a discussion on the perspectives for the European audio Industry.

Program

10:00am – 10:30am "Spatial audio processing: an overview"

> Prof. Patrick Naylor (Imperial College, London)

10:30am – 11:00am "The SCENIC project: environment-aware audio processing"

> Prof. Augusto Sarti (Politecnico di Milano, Italy)

11:00am – 11:20am "Real-time multi-microphone processing for human-computer interaction"

> Prof. Maurizio Omologo (Fondazione Bruno Kessler, Trento, Italy)

11:20am – 11:40pm "Microphone arrays and virtual microphones"

> Prof. Angelo Farina (Università di Parma, Italy)

11:40am – 12:00pm "Binaural processing in everyday environments"

> Prof. Raffaele Parisi (Univ. "La Sapienza", Roma, Italy)

12:00pm – 12:20pm "An industry / academic cooperation model for audio engineering"

> Prof. Fabrizio Argenti (Università di Firenze, Italy)

12:20pm – 2:20pm Lunch break and open demonstrations (room A)

2:20pm – 3:30pm Presentations from the Industry: research and development in spatial audio

3:30pm – 5:00pm Round table: what perspectives for the Industry?

Venue: FAST Congress Center
Piazzale R. Morandi 2, Milano

From Piazza Cavour take Via del Vecchio Politecnico to Piazzale Morandi