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Press and Public Relations Forum Neues Musiktheater

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Forum Neues Musiktheater der Staatsoper Stuttgart

AMBISONICS

Workshop & Presentations

New Surround Sound Technology
Sound Project and Sound Perception in Space
with the ICST (Institute for Computer Music and Sound Technology of Zurich School of Music, Drama and Dance)

January 19, 2006, 12 p.m. to 7 p.m.

January 20, 2006, 10 a.m. to 7 p.m.

January 21, 2006, 10 a.m. to 4 p.m.

The FNM follows its presentation of wave-field synthesis with a presentation of another surround sound technology: Ambisonics.

The Institute for Computer Music and Sound Technology of Zurich School of Music, Drama and Dance has been involved for some time now in research in the field of spatial sound projection and has specialized in the Ambisonics technology from England. Over the years it has both developed applications and come up with a sound system whose capabilities and flexibility do justice to the requirements of Ambisonic concerts.

Both aspects—hardware and software—will be presented. In addition, the principles of spatial perception will be discussed, the mathematical background of Ambisonics explained, and aesthetic and compositional considerations of music in space discussed. Finally, workshops will demonstrate the technology in practice and allow participants to explore it themselves.

The workshop is intended for composers, sound engineers and technicians, media artists, and interested parties with a basic knowledge of surround-sound technology in postproduction and real-time applications.

FNM and the ICST will present a concert as a supplement to the workshop. All the pieces that will be performed were composed with this surround sound technology. The sound is rendered via the multi-channel speaker systems developed at the ICST. The following pieces will be performed:

Natasha Barrett (NOR)
Gary Berger (CH)
Ambrose Field (UK)
Charlotte Hug (CH)
José López Montes (E)
Lukas Vogelsang (CH)

Charge

The workshop is free of charge.
Registration required.

Registration

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Wir stiften Zukunft

The Forum Neues Musiktheater der Staatsoper Stuttgart is supported by the Landesstiftung Baden-Württemberg foundation and the partner of the Stuttgart Staatsoper, the Landesbank Baden-Württemberg.

LB BW

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Partner der Staatsoper Stuttgart und des Zentrums für Kunst und Medientechnologie Karlsruhe (ZKM).