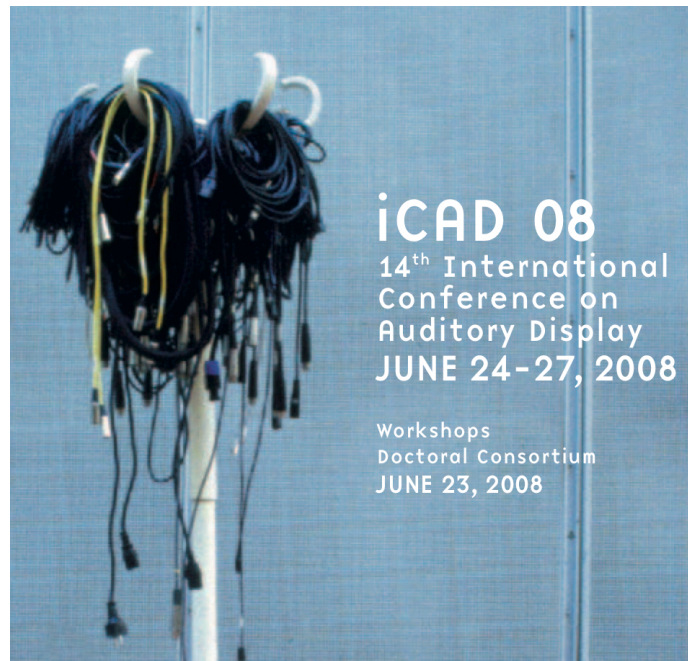


ICAD'08 Program - overview

	Monday 23rd			Tuesday 24th	Wednesday 25th	Thursday 26th	Friday 27th	
9:00 am				Ircam / ESPRO	Ircam / ESPRO	Ircam / ESPRO	Ircam / ESPRO	
9:30 am	Welcome			Welcome	Welcome	Welcome	Welcome	
10:00 am	Docotoral Consortium (Ircam / Stravinsky)	Workshop I (Ircam / Shannon)	Workshop II (Pompidou / Piazza)	Introduction	Paper Session <i>Browsing Sound</i>	Paper Session <i>3DAudio-Perception (part.2)</i>	Paper Session <i>Psychology</i>	
11:00 am				Keynote 1 (M. Leman)				
12:00 am				Paper Session <i>Sound Design Tools</i>	Paper Session <i>3DAudio-Perception (part.1)</i> Nox Borealis (JB. Barriere)	Paper Session <i>3DAudio-Technologies</i>	Paper Session <i>Design Theory</i>	
12:30 am								
2:00 pm							ICAD Open Mic	
2:30 pm				Paper Session <i>Interaction</i>	Paper Session <i>Applications</i>	Keynote 2 (G. Assayag)		
3:00 pm						Paper Session <i>Sonification</i>	Paper Session <i>Sound Design + Workshop II conclusion</i> organised by SID & CLOSED projects	
3:30 pm				Wshop I Conclusion	Paper Session <i>Auditory Display</i>			
4:00 pm					Demo Session			
4:30 pm				Poster Session + Think Tank				
5:30 pm								
6:30 pm								
				8:00 pm Concert Melancholia (Opera Garnier) John Zorn (Cité de la musique)	6:30 pm Nox Borealis (Institut Finlandais)	9:15 pm Dinner boat Capitaine Fracasse		



June 23 - 27 2008

ICAD'08 Program - *details*

Monday, June 23

9:00 am Welcome

9:30 am – 5:30 pm

Think Tank, Monday **(Ircam / Stravinsky room)**

Organized by Bruce N. Walker, Paul Vickers, Brian Katz, Clara Suied

Workshop I, Monday **(Ircam / Shannon room)**

Recycling Auditory Displays

Organized by Christopher Frauenberger, Stephen Barrass

Workshop II, Monday **(Pompidou / Piazza room)**

Exploring sonic interaction with artifacts in everyday contexts

Organized by Karmen Franinovic, Lalya Gaye, Frauke Behrendt

Tuesday, June 24 (Ircam / ESPRO)

9:00 am Welcome

9:30 am Introduction – H. Vinet, O. Warusfel

9:55 am Keynote 1, Tuesday morning

Marc Leman : « *Embodied music cognition, is it relevant to sound design?* »

10:45 am coffee break

11:00 am Paper Session, Tuesday morning
Sound Design Tools

chairman : Dik J. Hermes

11:00 am - *Time-domain analysis / synthesis of the excitation signal in a source/filter model of contact sounds*

Mathieu Lagrange, Gary Scavone, Philippe Depalle

11:25 am - *AudioPlusWidgets: Bringing Sound to Software Widgets and Interface Components*

Benjamin K. Davison, Bruce N. Walker

11:50 am - *Visualising the soundfield and sounscape: extending MacCaulay and Crerar's 1998 method*

Iain McGregor, Alison Crerar, David Benyon, Grégory Leplâtre

12:15 am lunch

2:00 pm Paper Session, Tuesday afternoon
Interaction

chairwoman : Karmen Franinovic

2:00 pm - *The effect of spatialization in a data sonification exploration task*

Brian FG Katz, Emmanuel Rio, Lorenzo Picinali, Olivier Warusfel

2:25 pm - *Could function-specific prosodic cues be used as a basis for non-speech user interface sound design*

Kai Tuuri, Tuomas Eerola

2:50 am - *Kernel regression mapping for vocal EEG sonification*

Thomas Hermann and Gerold Baier and Ulrich Stephani and Helge Ritter

3:15 pm coffe break

3:30 pm Workshop conclusion, Tuesday afternoon
Recycling Auditory Displays

Christopher Frauenberger, Stephen Barrass

4:00 pm – 6:30 pm Poster Session, Tuesday afternoon

chairman : Matti Gröhn

Internet-based interactive auditory virtual environment generators

Christian Borss, Andreas Silzle, Rainer Martin

Sonification of bowing features for string instrument training

Oliver Larkin, Thijs Koerselman, Bee Ong, Kia Ng

Using web services to foster global collaboration in sound design

James A. Ballas, Justin Nevitt

Sonic explorations with earthquake data

Manuela Meier, Anna Saranti

Understanding aural fluency in auditory display design for ambient intelligent environments

Milena Droumeva, Ron Wakkary

Evaluation of user habits for creating auditory representations of different software applications for blind persons

György Wersényi

Design of a sonar system for visually impaired humans

Cameron Morland, David Mountain

Rhetorical schemes for audio communication

Pietro Polotti, Carlo Benzi

Localization of virtual sound created using individualized and non-individualized HRTF for direct and reflected sound

Ryouichi Nishimura, Hiroaki Kato

Toward HRTF personalization: an auditory-perceptual evaluation of simulated and measured HRTFs

Parham Mokhtari, Ryouichi Nishimura, Hironori Takemoto

On the use of sound for representing geometrical information of virtual objects

Simon Shelley, Miguel Alonso, Dik Hermes, Armin Kohlrausch

Real-time sonification of physiological data in an artistic performance context

Loic Kessous, Christian Jacquemin, Jean-Julien Filatriau

+ ***Think Tank Scholar contributions***

8:00 pm

Concert Melancholia (Opera Garnier) or John Zorn (Cite de la Musique)

ticket given with your ICAD badge

Concert Melancholia (Opera Garnier)

concert at 8 pm

address : Palais Garnier

Place de l'Opéra

Métro Opéra lines 3, 7 and 8, RER Auber,

Bus 20, 21, 22, 27, 29, 42, 52, 53, 66, 68, 81, 95

Car : Parking Place Vendôme

<http://www.operadeparis.fr/Saison-2007-2008/Spectacle.asp?IdS=375>

John Zorn (Cité de la Musique)

concert at 8 pm:

address : la Cité de la musique

221, avenue Jean Jaurès 75019 Paris

Métro : station porte de Pantin, ligne 5

Bus : lignes 75, 151, PC2 et PC3 - Noctilien N13 - N41

Car : parking Cité de la musique

http://www.cite-musique.fr/francais/spectacles/_database/S04555.htm

Wednesday, June 25 (Ircam / ESPRO)

9:00 am Welcome

9:30 am Paper Session, Wednesday morning
Browsing Sound

chairman: Mikael Fernstrom

9:30 am - *Encoding and representation of information in auditory graphs: descriptive reports of listener strategies for understanding data*

Michael A. Nees, Bruce N. Walker

9:55 am - *Scalable auditory data signatures for discovery oriented browsing in an expressive context*

Joachim Gossmann, Ruth West

10:20 am - *Efficiency of spearcon-enhanced navigation of one dimensional electronic menus*

Dianne K. Palladino, Bruce N. Walker

10:45 am coffee break

11:00 am Paper Session, Wednesday morning
3DAudio-Perception / part.1

chairman: Derek Brock

11:00 am - *Influence of performance gestures on the identification of spatial sound trajectories in a concert hall*

Georgios Marentakis, Joe Malloch, Nils Peters, Mark Marshall, Marcelo Wanderlay, Stephen McAdams

11:25 am - *Effects of temporal fine structure on the localization of broadband sounds: potential implications for the design of spatial audio displays*

Douglas S. Brungart, Brian D. Simpson

11:50 am Nox Borealis, Wednesday morning
Jean-Baptiste Barrière

12:15 am lunch

2:00 pm Paper Session, Wednesday afternoon
Applications

chairman: Eoin Brazil

2:00 pm - *SUMO. A sonification utility for molecules*
Florian Grond, Fabio Dall'Antonia

2:25 pm - *SONIFYER. A concept, a software, a platform*

Florian Dombois, Oliver Brodewolf, Oliver Friedli, Iris Rennert, Thomas Koenig

2:50 pm - *Pairing colored socks and following a red serpentine with sounds of musical instruments*

Guido Bologna, Benoît Deville, Thierry Pun

3:15 pm coffe break

3:30 pm Paper Session, Wednesday afternoon
Auditory Display

chairman: Stephen Barrass

3:30 pm - *Database concept for medical auditory alarms*

Max Schneider

3:55 pm - *Ambience for auditory displays: embedded musical instruments as peripheral audio cues*

Ralf Jung

4:20 pm - *Usability of non-speech sounds in user interfaces*

Rafa Absar, Catherine Guastavino

4:45 pm - *Learnability of sound cues for environmental features: auditory icons, earcons, spearcons and speech*

Tilman Dingler, Jeffrey Lindsay, Bruce N. Walker

5:10 pm - *Cross cultural study of auditory warnings*

Sabine Langlois, Clara Suied, Thierry Lageat, Aude Charbonneau

6:30 pm *Installation – Nox Borealis (Institut finlandais)*

<http://institut-finlandais.asso.fr/>

60, rue des Écoles

75005 Paris

Métro : Cluny-La Sorbonne, Saint-Michel, Odéon

RER : B&C : Saint-Michel-Notre-Dame, Luxembourg

Bus (stop Cluny) : 21, 27, 38, 63 , 85, 86, 87

Thursday, June 26 (Ircam / ESPRO)

9:00 am Welcome

9:30 am Paper Session, Thursday morning
3DAudio-Perception / part.2

chairman: Derek Brock

9:30 am - Individualization feature of head-related transfer functions based on subjective evaluation

Satoshi Yairi, Yukio Iwaya, Yôiti Suzuki

9:55 am - A study toward the development of a spatial, o speech auditory interface for trigonometric problem solvig

Flaithri Neff, Ian Pitt

10:20 am - Evaluating listeners' attention to and comprehension of spatialized concurrent and serial talkers at normal and a synthetically faster rate of speech

Derek Brock, Brian McClimens, J. Gregory Trafton, Malcolm McCurry, Dennis Perzanowski

10:45 am coffee break

11:00 am Paper Session, Thursday morning
3DAudio-Technologies

chairman: Brian Katz

11:00 am - Three-dimensional sound field reproduction and recording systems based on boundary surface control principle

Seigo Enomoto, Yusuke Ikeda, Shiro Ise, Satoshi Nakamura

11:25 am - Spherical microphone array based immersive audio scene rendering

Adam M. O'Donovan, Dmitry N. Zotkin, Ramani Duraiswami

11:50 am - Design, validation and in-flight evaluation of an auditory attitude indicator based on pilot-selected music

Douglas S. Brungart, Brian D. Simpson

12:15 am lunch

2:00 pm Keynote 2, Thursday afternoon

Gerard Assayag : « *From Computer Assisted Composition to Live Interaction with Musical Content* »

2:50 pm Paper Session, Thursday afternoon
Sonification

chairman: Thomas Hermann

2:50 -pm - Exploration of 4D-data spaces. Sonification in lattice QCD

Katharina Vogt, Till Bovermann, Philipp Huber, Alberto de Campo

3:15 -pm - Exploratory sound analysis: sonifying data about sound

Sam Ferguson, Densil Cabrera

3:40 -pm - Sonification of directional and emotional content: description of design challenges

Antti Pirhonen, Henni Palomäki

4:05 -pm - A review-based conceptual analysis of auditory signs and their design

Manne.Sakari Mustonen

4:30 pm coffee break

4:45 - 6:30 pm : Demo Session, Thursday afternoon chairman: Nicolas Misdariis

4:45 -pm - *Sonification of a complex computational process: computational fluid dynamics*
Edward P. Childs

5:05 -pm - *Sound editing on the sonogram*
Niels Bogaards

5:25 -pm - *The IPeM_EME: a wireless music controller for real-time music interaction*
Michiel Demey, Marc Leman, Olmo Cornelis

5:45 -pm - *DURCHEINANDER. Understanding clustering via interactive sonification*
Till Bovermann, Julian Rohrer, Helge Ritter

6:05 -pm - *AUDIODB. Get in touch with sound*
Till Bovermann, Thomas Hermann, Helge Ritter

9:15 pm Banquet

DINNER : 9:15 pm - boat Capitaine Fracasse

Boarding and access

<http://www.croisiere-paris.com/restaurant-bateau-mouche.htm>

Place of embarkation:

Paris 15e, Ile aux Cygnes, centre of Bir Hakeim bridge (situated one bridge prior to the Eiffel Tower) close to Bir Hakeim underground station (n°6 line)

To access place of embarkation:

The port of departure is the Ile aux Cygnes. Boarding starts 15 minutes prior to departure when the 2 nd boarding starts at 09.30 p.m.

Pedestrians:

Proceed to Bir Hakeim Bridge (Paris 15e), head for the middle of the bridge, follow the flight of steps down at the centre of the bridge that lead to the Ile aux Cygnes... where the “Capitaine Fracasse” will be waiting for you.

Cars and coaches:

You have the possibility to drop passengers off in the middle of the bridge then park in the free private car park (200 spaces) and signposted “Capitaine Fracasse” and also called “Parking du Port Autonome” situated at the end of the bridge, 15e side (there is a slight downward slope at the end of the bridge to access the car park).

Underground / RER:

Bir Hakeim n°6 line or RER Champ de Mars Eiffel Tower. If you happen to loose your way, phone us on 06 20 80 75 30 (direct GSM phone onboard the boat)

Friday, June 27 (Ircam / ESPRO)

9:00 am Welcome

9:30 am Paper Session, Friday morning
Psychology

chairman: James Ballas

9:30 am - *The effect of music on learning in virtual environments - Initial results*

Eric Fassbender, Debbie Richards, Bill Thompson, Ayse Bilgin, Alan Taylor

9:55 am - *Affective multimodal displays: acoustic spectra modulates perception of auditory-tactile signals*

Ana Tajadura-Jiménez, Aleksander Väljamäe, Norimichi Kitagawa, Daniel Västfjäll

10:20 am - *Perceived self motion in virtual acoustic space facilitated by passive whole-body movement*

William L. Martens, Shuichi Sakamoto, Yôiti Suzuki

10:45 am coffee break

11:00 am Paper Session, Friday morning
Design Theory

chairman: Daniel Hug

11:00 am - *Stream-based sonification diagrams*

Stephen Barrass, Virginia Best

11:25 am - *Auditory stimulus design: musically informed*

K. Stallmann, S.C. Peres, P. Kortum

11:50 am - *Taxonomy and definitions for sonification and auditory display*

Thomas Hermann

12:15 am lunch

1:30 pm ICAD Open Mic, Friday afternoon

2:30 – 4:30 pm Paper Session, Friday afternoon

chairman: Federico Fontana, Pietro Polotti

Sound Design (organised by Sonic Interaction Design & Closed projects)

2:30 -pm - *Introduction*

Pietro Polotti - Federico Fontana

2:45 -pm - *Workshop conclusion: New roles for interactive sound in everyday contexts*

Karmen Franinovic, Lalya Gaye, Frauke Behrendt

2:55 -pm - *The laughing swing: interacting with non-verbal human voice*

Michal Rinott

3:20 -pm - *Sound design for navigation in topophonies*

Roland Cahen

3:45 -pm - *Strategies for sonic interaction design: from context to basic design*

Karmen Franinovic, Yon Visell

4:10 -pm - *Depthrow: a physics-based audio game*

Stefano Papetti, Delphine Devallez, Federico Fontana

4:30 – pm Conference closing