

SoniHED Conference

Programme

- 09:30 Registration and tea/coffee, Department of Theatre, Film and TV (TFTV) Foyer
- 09:50 Welcome: Sandra Pauletto, Howard Cambridge and Radek Rudnicki
Room: Holbeck Cinema
- Session 1:* Chair Howard Cambridge
Room: Holbeck Cinema
- 10:00 Guest Speakers: Kevin Hicks and Patrick Bueker (Stockholm Environment Institute, SEI)
The Sonification of Impacts of Ground-Level Ozone on Human Health and Ecosystems
- 10:20 Guest Speaker: Andy Hunt (Electronics Department, University of York)
Sonification in Pervasive Medical Computing
- 10:40 Barrass S. *Acoustic Sonification of Blood Pressure in the Form of a Singing Bowl*
- 11:00 Guest Speaker: Tim Croudace (Health Sciences, University of York) *Strategies for Sonification of Psychometric Data and Sufficient Statistics*
- 11:20 Tea/coffee break, TFTV Foyer

<i>SoniHED Installations</i>	<i>Jane's story</i> , 3Sixty, Ron Cooke Hub
	<i>Sonic uncertainties, the multidimensional case</i> , installation, Large Rehearsal Room

- Session 2:* Chair Radek Rudnicki
Room: Holbeck Cinema
- 11:50 Guest Speaker: Alistair Edwards (Computer Science, University of York)
Sonification of biological cells
- 12:10 Cesarini, D., Hermann, T. and Ungerechts, B. E. *An Interactive Sonification System for Swimming Evaluated by Users*
- 12:30 Yang J. and Hunt, A. *Real-Time Auditory Feedback of Arm Movement and EMG in Biceps Curl Training to Enhance the Quality*
- 12:50 Jepson, P. and Pelah, A. *Modulating Movement with Sound: Comparing a Target Step Trained by Sound or Vision*
- 13:10 Lunch, TFTV Foyer

<i>SoniHED Installations</i>	<i>Jane's story</i> , 3Sixty, Ron Cooke Hub
	<i>Sonic uncertainties, the multidimensional case</i> , installation, Large Rehearsal Room

Session 3: Chair Sandra Pauletto
Room: Holbeck Cinema

- 14:10 Guest Speaker: Roberto Bresin (Royal Institute of Technology, KTH, Stockholm)
Sonification of physical quantities: a review of the most used mapping strategies, with examples in health and environment applications
- 14:30 Guest Speaker: Guillaume Lemaitre (Institut de Recherche et Coordination Acoustique/Musique, IRCAM, Paris)
Auditory perception of the actions causing the sounds: a basic for the design of sonic interaction
- 14:50 Visi, F., Dothel, G., Williams, D., Miranda, E., *UNFOLDING | CLUSTERS: a Music and Visual Media Model ALS Pathophysiology*
- 15:10 Walus, B., Pauletto, S., Mason-Jones, A. *Sound and Music in Interactive Sonification: a Novel Way to Communicate Health Risk of Alcohol to Young People*
- 15:30 Tea/coffee break, TFTV Foyer

<i>SoniHED Installations</i>	<i>Jane's story, 3Sixty, Ron Cooke Hub</i>
	<i>Sonic uncertainties, the multidimensional case, installation, Large Rehearsal Room</i>

Session 4: Chair Howard Cambridge
Room: Holbeck Cinema

- 16:00 Hammerschmidt, J., Tünnermann, R., Hermann, T. *Ecosonic: Towards an Auditory Display Supporting a Fuel-Efficient Driving Style*
- 16:20 Lockton, D., Bowden, F., Brass, C., Gheerawo, R. *Bird-Watching: Exploring Sonification of Home Electricity Use with Birdsong*
- 16:40 Vickers, P., Laing, C., Debashi, M., Fairfax, T. *Sonification Aesthetics and Listening for Network Situational Awareness*
- 17:00 *Round Table: Chair Sandra Pauletto*
Robert Watt (Head of Communication, SEI), Bresin (KTH), Guillaume Lemaitre (IRCAM), Kevin Hicks (SEI), Patrick Bueker (SEI), Tim Croudace (Health Science)

<i>SoniHED Concert</i>	Introduction about EEG and emotion data by Chris Neale
	<i>Sonification submissions</i> Schmalenberg T. - <i>Four-Channel sonification of EEG-data</i> Maronidis, D. - <i>Brain Waves</i>
18:00 Room: Black Box	<i>Sonification Performance</i> Space Flight - <i>Ozone</i>

- 18:40 Wine reception, TFTV Foyer
- 19:30 End of Conference