

NOVEL WAYS VOCAL SOUNDS CAN CREATE EMOTIONS

DATE: SATURDAY 5 NOVEMBER, 11:45-13:00

VENUE: MIRAIKAN 1F, AGORA STAGE 2

On this stage, **Jean-Julien AUCOUTURIER** and his Japanese collaborator, **Katsumi WATANABE**, will talk about how their research into music can induce particular emotions and may eventually lead to therapeutic treatments. They will demonstrate novel means by which vocal sounds can create emotions, using audio engineering algorithms and cognitive neuroscience methods. Amongst other things, they will show that if one manipulates a person's voice to make it sound happier or sadder, their own emotions will change to become happier or sadder.

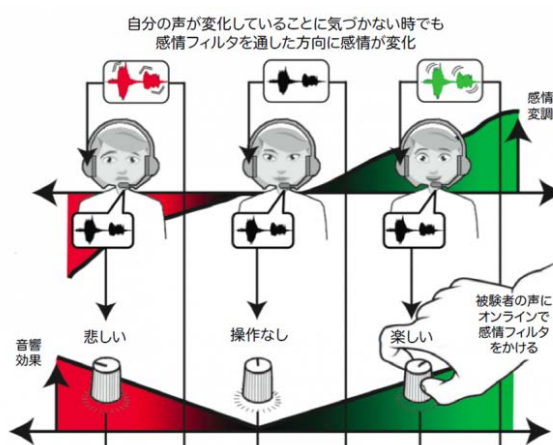


Image from: <https://www.waseda.jp/top/news/36483>

11:45

WELCOME

11:45-11:48

Leonidas KARAPIPERIS
Minister-Counsellor, Head of Science and Technology Section,
Delegation of the EU to Japan

11:48

TALK AND DEMONSTRATION

11:48-12:45

Introduction and demonstration of the CREAM project, the research, the technologies and the outcomes:

- 1) Jean-Julien AUCOUTURIER, CNRS/IRCAM
- 2) Katsumi WATANABE, Waseda University

12:45-13:00

Q&A Session

13:00

End

- *EN/JP consecutive interpretation will be provided*



Jean-Julien AUCOUTURIER is a permanent CNRS researcher in IRCAM in Paris. He was trained in Computer Science and held several postdoctoral positions in Cognitive Neuroscience in RIKEN Brain Science Institute in Japan and in Université de Dijon, France. He is now heading the CREAM Music Neuroscience lab in IRCAM (Paris) and is interested in using audio signal processing technologies to understand how sound and music create emotions. More at <http://cream.ircam.fr>



Katsumi WATANABE is Professor at Waseda University and a Visiting Associate Professor at the University of Tokyo. He received a B.A in experimental psychology and a M.A. in life sciences from the University of Tokyo and a PhD in Computation and Neural Systems from California Institute of Technology, for his work in crossmodal interaction in humans. He was a research fellow at National Institute of Health (USA) and a researcher at the National Institute of Advanced Science and Technology (Japan). His research interests include: scientific investigations of explicit and implicit processes, interdisciplinary approaches to cognitive science, and real-life applications of cognitive science.

Other sessions and exhibitions by the EU in Science Agora 2016:

1. **Inauguration: European Participation in Science Agora 2016**
Date: Friday 4 Nov, 10:30-12:00 / Venue: Miraikan 1F, Agora Stage 1
2. **Booth: Europa Science House**
Dates: Thursday 3 – Sunday 6 Nov, 10:00-17:00* / Venue: Miraikan 1F
Booth Aa-013 *10:00-16:00 on Sunday 6 November
3. **Agora Keynote Session: Arts, Science, Technology and Creativity**
Date: Saturday, 5 Nov, 15:30-17:00 / Venue: JASSO 3F, International Conference Hall
4. **Agora Session: Muography - an Unprecedented Imaging Technique to Visualise Volcanoes**
Date: Sunday 6 Nov, 10:30-12:00 / Venue: JASSO 3F, International Conference Hall
5. **Talk and Demonstration: Toys Robots to Educate Brain Development of Children**
Date: Saturday 5 Nov, 10:15-11:30 / Venue: Miraikan 1F, Agora Stage 2
6. **Talk and Demonstration: Honouring Arts and Science Synergies for Innovation: The STARTS Prize**
Date: Saturday 5 Nov, 13:15-14:30 / Venue: Miraikan 1F, Agora Stage 2



Supported by: The Embassy of Austria, the Embassy of Bulgaria, CNRS, the Embassy of Croatia, the Embassy of France, the Embassy of Greece, the Embassy of Hungary, the Embassy of Ireland, the Embassy of Italy, the Embassy of Luxembourg, the Embassy of Netherlands, and the Embassy of Slovakia



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For enquiries about EU's participation, please contact: DELEGATION-JAPAN-ST@eeas.europa.eu
For enquires about Science Agora including access, please visit: <http://www.jst.go.jp/csc/scienceagora/>