

Programme

International conference on **Sensory issues and Disability**



Touch to learn, touch to communicate

17th to 19th March, 2016



Cité des Sciences et de l'Industrie Paris France

A Universcience
& INS HEA partnership



Conference held under the high patronage of the French Minister of National Education,
Higher Education and Research, Ms Najat Vallaud-Belkacem.
This conference is honored to have Professor Yvette Hatwell as its patron.



www.sensorialite.inshea.fr



Thursday, 17th March 2016



Translation to English and French sign language available only for presentations taking place in the Auditorium.

8:15 Welcome - Coffee or Tea

9:00 Auditorium: Greetings and opening of the conference

José Puig, head of INS HEA, Suresnes and Dominique Botbol, vice head of exhibitions at Cité des Science and Palais de la Découverte museums, Universcience
Nathalie Lewi-Dumont, INS HEA-Grhapes, head of the conference's scientific committee

9:50 Auditorium: lecture No1

Vincent Hayward (UPMC Sorbonne University / Isir CNRS)
The physical basis of touch and its effects on perception

10:40 Break

11:00 Auditorium: Plenary session No1

Understanding touch and sensory substitution

Moderator: Vincent Hayward, Université Pierre et Marie Curie / Isir CNRS

- Gabriel Arnold and Malika Auvray (UPMC Sorbonne University / Isir CNRS)
Improving the design of sensory substitution devices and their use by visually impaired people
- Aurélie Vallée and Katia Rovira (PSY.NCA EA 4700, Rouen Normandy University)
Interaction and collaboration within a visuo-tactile sensory substitution system
- Christophe Jouffrais (CNRS / Toulouse University, Irit CNRS)
Interactive graphs accessible to visually deficient persons

12:00 Questions from the floor and announcement of today's posters

12:30 to 3:30 Free time for lunch and visits (poster sessions and stalls)

1:30 Carrefour numérique: poster session No1

3:30 Round tables, in parallel:

Round table No1 – Auditorium

Touch for students with disabilities, and for others (touch and inclusive practices)

Moderator: Mélissa Arneton, INS HEA Grhapes, Suresnes

- Marie Potapushkina-Delfosse (Versailles educational district / Cren, University of Nantes): *Learning English through touch in pictures and dance*
- Valérie Barry (Lirtes, Paris Est University): *Sensoriality and scaffolding: study of the influence of touch and handling in the construction of scientific learning in nursery school with "mainstream" pupils, and pupils with a cognitive and motor disability*
- Claire Tibbets (Visual Impairment Service, Northamptonshire, UK): *Touch For All? An analysis of using active touch to enhance learning in the primary classroom*
- Gabrielle Sauvillers (Paris educational district): *Using a sensory approach of pictures in "whole class" settings*

Round table No2 – Carrefour Numérique, Agora room

Touch, multi-modal approaches and communication

Moderator: Danièle Toubert-Duffort, INS HEA Grhapes, Suresnes

- David Vaidis (Université Paris Descartes, laboratoire de psychologie sociale), Séverine Halimi-Falcowicz, Nicolas Buttafoghi, Didier Courbet, Marie-Pierre Fourquet-Courbet (Institut de recherche en sciences de l'information et de la communication, Aix-Marseille University): *If I touch you, I influence you: perception of the person asking and effect of touch*
- Michèle Rouge (Royal Institute for deaf and blind people, Brussels, Belgium): *The "I am" exercise: a goldmine of stimulations around the shape of the body and body surface of visually impaired children with multiple disabilities*
- Mylène Hardy (Institut d'études politiques, DAIE, Paris): *Mother and baby build a skill together: communication through touch*
- Martine Janner Raimondi (University of Rouen, Civiic Lab): *Empathy from the viewpoint of allowing oneself to be touched in the learning interrelationship*

5:15 Auditorium: lecture No2

Bertrand Verine (Paul Valéry University, Montpellier, Praxiling, FAF-LR):
Tactile vocabulary exists: I have heard it

6:00-8:00 Cocktail



Friday, 18th March 2016



8:45 Introduction
and announcement of today's posters

9:00 **Auditorium:** lecture No3
Édouard Gentaz (CNRS / University of Geneva, Switzerland)
Multi-sensorial exploration in learning

9:45 Round tables, in parallel

Round table No3 – Auditorium

From touch disruption to the almost exclusive use of touch in various situations

Moderator: Jacques Souriau, University of Groningen, The Netherlands

- Dominique Le Nen (Brest regional hospital):
Touching and the traumatized hand
- Anne-Cécile Mouget (University of Caen Normandy):
Orgasm without genital sensitivity: compensation for sensitivity impairment following a spinal injury
- Franck Berteau (Cresam, Poitiers):
Tactile communication and deafblindness: bodily and emotional impacts
- Riitta Lahtinen and Russ Palmer (University of Helsinki, Finland):
Haptics, touch messages, sharing environmental information

Round table No4 – Carrefour numérique, Agora Room

Reading tactile pictures and raised line drawings

Moderator: Michel Bris, INS HEA, Suresnes

- Fabio Levi (University of Torino and Tactile Vision Onlus, Italy) and Rocco Rolli (Tactile Vision onlus, Turin, Italy): *Raised line drawings: an essential means of communication for the visually disabled*
- Florence Janin (Nantes educational district): *How can exploration of tactile images be taught?*
- Oriana Orlandi, Annie Vinter and Pascal Morgan (University of Burgundy, Lead CNRS): *Comprehension of tactile images in visually impaired children: the role of perceptual experience*
- Anne Chotin, Annie Tromeur, Guillaume Gabriel (INS HEA): *Raised line drawing: implications and limitations*

11:15 **Carrefour numérique:** poster session No2

11:15 to 1:30 Free time for lunch and visits (poster sessions and stalls)

1:30 **Auditorium:** Plenary session No2 Moderator: Nathalie Lewi-Dumont, INS HEA Grhapes
Learning and teaching Braille

- Torø Graven (University of Oxford, UK):
Discrimination strategies for braille
- Mira Tzvetkova-Arssova (University of Sofia, Bulgaria):
Assessment of tactile discrimination skills of blind students of primary school age admitted in special schools for visually impaired
- Natalie Martinello (University of Montreal, Canada):
The use of technology to enhance tactful learning: A study of braille teaching professionals

2:30 Questions from the floor

3:00 Break

3:15 **Auditorium:** Plenary session No3 Moderator: Marcus Weisen, École normale supérieure, Paris
Adapting museums, and access to Art

- Aldo Grassini (Omero tactile museum, Italy):
In search of an aesthetics of touch
- Marie-Pierre Warnault and Anne Ruelland (Cité de l'Architecture et du Patrimoine, Paris):
Appropriation of an architectural work by touch
- Laura Solaro (Louvre museum, Paris):
The tactile gallery at the Louvre. A personal account of an innovative educational practice
- Delphine Demont (Acajou dance company):
Self to world, and world to self: from sense of touch to dance

4:35 Questions from the floor

5:00 Closing of the conference



Saturday, 19th March 2016



Free entrance. In French only. Organized by Universcience College.

Conferences in the morning. Exhibitions in the afternoon.

Lectures at the auditorium

- 10 h** Vincent Hayward (Institut des systèmes intelligents et robotiques, CNRS/Université Pierre et Marie Curie)
Les bases physiques du sens du toucher
- 10h45** Dominique Le Nen (CRHU, Brest)
L'anatomie des mains, à la croisée des arts et des sciences
- 11h30** Nicolas Buttafoghi, Didier Courbet, Marie-Pierre Fourquet-Courbet,
Séverine Halimi-Falkowicz (Aix-Marseille Université, Institut de recherche en sciences de l'information et de la communication)
David Vaidis (Sorbonne Paris Cité, Laboratoire de psychologie sociale, Institut de psychologie)
«Les médias numériques qu'on touche» : Effets des écrans tactiles et des serious games sur les apprentissages et les comportements
- Hélène Labat (Laboratoire Paragraphe, Université de Cergy-Pontoise, Institut d'éducation, Laboratoire d'étude des mécanismes cognitifs, Université Lumière Lyon 2),
Jean Ecalle (Laboratoire d'étude des mécanismes cognitifs, Université Lumière Lyon 2, LabEx Cortex ANR-11-LABX-0042)
Annie Magnan (Laboratoire d'étude des mécanismes cognitifs, Université Lumière Lyon 2, LabEx Cortex ANR-11-LABX-0042, Institut universitaire de France)
Approche multi-sensorielle pour apprendre à lire-écrire: de l'intuition pédagogique à la recherche en psychologie cognitive du développement
- 12h30** François Jouen (École pratique des hautes études, Paris)
Le toucher à la naissance, une acquisition pour la vie

Demonstrations and workshops

À la Bibliothèque enfants

- Atelier BD (atelier, à 15h30)
avec Dannyelle Valente (Chercheur au laboratoire du développement sensori-moteur, affectif et social, Université de Genève, Suisse)

Au Carrefour numérique

- Résonance fossile (présentation)
avec Florence Bernard (Agrégée d'arts plastiques et artiste plasticienne)
- Laissez toucher les petits papiers (présentation)
avec Christian Bessineul (Graveur, professeur émérite à l'École Estienne)
- Paper Art (présentation)
avec Anne Meier Soumille (Historienne de l'art, art-thérapeute, artiste en « paper art »)
- Les sens du Toucher (atelier, 1 heure)
avec Stéphanie Kappler (Médiatrice biologiste au Palais de la découverte)
- Un sens qui trompe énormément: les illusions tactiles (atelier)
avec l'équipe de Vincent Hayward