

Programme
MINET Conference: Measurement, Sensation and Cognition
10 – 12 November 2009

DAY 1

9:00 – 10:45 Registration & Poster set-up & refreshments

10:45 – 11:00 Opening Address

Perception and Sensation

11:00 – 12:00 Keynote Paper
Prof Steve Tipper, School of Psychology, Bangor University, UK

Perception and Sensation Session 1

12:00 - 12:30 Emoacoustics: Using auditory-induced emotion to improve sound design
Dr Ana Tajadura on behalf of Dr Daniel Västfjäll

12:30 - 1:00 Human-mimicking environmental sound measurement
Prof Dick Botteldooren

1:00 – 2:00 Lunch

Perception and Sensation Session 2

2:00 – 2:30 Synthesizing Visual Textures for Predefined Aesthetic Properties
Stefan Thumfart

2:30 – 3:00 Perceived randomness of surface textures
Dr Khemraj Emrith

3:00 – 3:30 The Rasch model as a measurement model in affective engineering
Dr Brian Henson

3:30 – 4:00 Break

Perception and Sensation Session 3

4:00 – 4:30 Measuring Colour Constancy and Colour Appearance: an Experiment
Ass Prof Alessandro Rizzi and Carinna Parraman

4:30 – 5:00 How many surfaces in natural scenes can be identified by their colour?
Prof David Foster

5:00 – 5:30 Measuring Effects of Wall Colours on Perceived Room Spaciousness
David Elliott

6:00 Departure from NPL for Dinner and Tour at Twickenham Stadium

DAY 2

Perception and Sensation Session 4

- 8:45 – 9:15 Time-order effects in timed brightness and size discrimination of paired visual stimuli
Ass Prof Geoff Patching
- 9:15 – 9:45 MEMORY: Measuring and modelling perceptual space-time
Dr Guido Marco Cicchini

Measuring the Impossible

- 9:45 – 10:30 MINET Expert group report
- 10:30 – 11:00 Break**
- 11.00 – 12.00 Roundtable discussion
- 12:00 – 1:00 Keynote Paper
Prof Charles Spence, Department of Experimental Psychology, Somerville College, Oxford University, UK
- 1:00 –2:00 Lunch**
- 2:00 – 3:30 Poster session & refreshments**
Please see below for list of posters

Analysis and Theories

- 3:30 – 4:00 MINET projects in the context of general measurement and instrumentation science
Prof L. Finkelstein
- 4:00 – 4:30 Emerging Paradox and The Role of Context in the Exploration of Human Ability and Performance
Prof M.Layne Kalbfleisch
- 4:30 – 5:00 On combining different psychophysical scaling methods
Agnieszka Bialek and Dr Gerie van der Heijden
- 5:00 – 5:30 Ratio scales revisited
Prof Giovanni Battista Rossi

Free evening

DAY 3

Cognition & Neuropsychology

8:45 – 9:45 Keynote Paper
Dr Susan Francis, Sir Peter Mansfield Magnetic Resonance Centre,
Nottingham University, UK

Cognition & Neuropsychology Session 1

9:45 – 10:15 Psychophysical and neuroimaging investigations of human touch:
discriminative and affective properties
Prof Francis McGlone

10:15 – 10:45 The concept of mapping phenomenal space in somatosensation:
Multi-dimensional scaling of pain perception
Prof Dieter Kleinböhl

10:45 – 11:15 *Break*

Cognition & Neuropsychology Session 2

11:15 – 11:45 ‘Mind-reading’ approaches: from cognitive neuroscience to clinical
applications
Dr Janaina Mourao-Miranda

11:45 – 12:15 Measuring truth with psychological and neuroscientific methods
Prof Hans Markowitsch

12:15 – 12:45 Visual processing in natural viewing: Understanding eye movements and
brain activity using a fixation-based event-related approach
Jan Bernard Marsman

12:45 – 12:55 Closing Address

12:55 – 1:00 Closing remarks

Conference officially closed

Post-conference lab tours (optional)

2:00 – 3:30 Lab tours

Poster session

Personalised blood pressure monitor
Dr Gregor Geršak

Objective Characterisation of Food Textural Properties in Relation to Sensory Perception
Dr Jianshe Chen

Perceiving colour in natural scenes: constancy of colour categories
Kinjiro Amano

Measurement with Persons: Concepts & Techniques as studied in MINET Repository and Think Tanks
Adj Prof Leslie Pendrill

Spy-See - Advanced vision system for phenotyping in greenhouses
Dr Gerrit Polder

Designing Environments for the Elderly: Measuring and Tracing the Shifts in Emotional Responses
Alessio Corso

An explorative study of materials' perceptive and associative properties
Caroline Cederström

Investigating the Acoustic Properties of Materials with Tuning Forks
S Wongsriruksa

The Taste of Materials: Spoons
Z Laughlin

Interdisciplinarity and sound environment research
Frans Mossberg

Measurement for a more visible world: colour contrast and visual impairment
Prof Hilary Dalke

Subjective and objective measurements in the context of sonic interactions
Guillaume Lemaitre

Measurement of physiological parameters using ultra-high impedance electric potential sensors
Dr Helen Prance

How to disentangle between luminance and cognitive load on pupil dilation measurement
Dr Laura Rossi