Idiap 20th Anniversary
IM2 Summer Institute 2011

1-2 SEPTEMBER, 2011
IDIAP RESEARCH INSTITUTE, CENTRE DU PARC
RUE MARCONI 19, 1920 MARTIGNY, SWITZERLAND

THURSDAY, 1 SEPTEMBER - Scientific talks
Keynote speakers
DR. SAMY BENGO, Google, CA, USA
PROF. CAROL ANN PETERS, Institute for Information Science and Technologies, Italy
PROF. BAYYA YEGNANARAYANA, International Institute of IT, Hyderabad, India
DR. ROELOF VAN ZWOL, Yahoo! Research Silicon Valley, CA, USA

FRIDAY, 2 SEPTEMBER- Advisory Boards** and Poster session
Idiap Advisory Board members
DR. JORDAN COHEN, SPELAMODE, CA, USA
PROF. DONALD GEMAN, Johns Hopkins University, Baltimore, MD, USA
DR. JOHN MAKHOUL, BBN Technologies, Cambridge, MA, USA
PROF. NELSON MORGAN, International Computer Science Institute, Berkeley, CA, USA
DR. DAVID NAHAMOO, IBM Research, Yorktown Heights, NY, USA
PROF. GERHARD SAGERER, Bielefeld University, Bielefeld, Germany
PROF. BAYYA YEGNANARAYANA, International Institute of IT, Hyderabad, India
PROF. ROELOF VAN ZWOL, Yahoo! Research Silicon Valley, CA, USA

IM2 Advisory Board members
PROF. CAROL ANN PETERS, Institute for Information Science and Technologies, Italy
PROF. GERHARD RIGOLL, Technische Universität München, Germany
PROF. STEVE RENALS, University of Edinburgh, United Kingdom
PROF. SHARON OVIATT, Oregon Health & Science University, OR, USA
PROF. CATHERINE PELACHAUD, Université de Paris 8, France

**The Advisory Board sessions are open to the workshop attendees.
More information and registration at http://www.im2.ch/summer-institute-2011
Wednesday, 31 August

18:00 – late Welcome reception
At Hôtel du Parc, Rue Marconi 19, 1920 Martigny, Switzerland

Thursday, 1 September

09:00 – 09:30 Welcome note, general presentation
Prof. Hervé Bourlard (Idiap)

MOBILE MULTIMEDIA

09:30 – 10:00 Person authentication using face and voice on a mobile phone: from research to reality
Dr. Sébastien Marcel (Idiap)

10:00 – 10:30 Mobile multimedia services based on user attention profiles
Francesca De Simone (EPFL)

10:30 – 11:00 Coffee break

SOCIAL MEDIA

11:00 – 11:30 Vlogcast yourself: exploring nonverbal behavior in social media
Joan-Isaac Biel Tres (Idiap)

11:30 – 12:00 Driving media engagement
Dr. Roelof van Zwol (Yahoo! Research)

12:00 – 13:00 Lunch

LARGE SCALE MULTIMEDIA INDEXING

13:00 – 13:30 Large-scale multimedia retrieval: distributing multimodal interactive learning
Dr. Stéphane Marchand-Maillet (UNIGE)

13:30 – 14:00 Large scale image annotation: learning to rank with joint word-image embeddings
Dr. Samy Bengio (Google, USA)

14:00 – 14:30 Automatic content linking: a speech-based real-time retrieval system using semantic search
Dr. Andrei Popescu-Belis (Idiap)
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<th>Time</th>
<th>Event</th>
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<td>14:30 – 15:00</td>
<td>Coffee break</td>
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<td>15:00 – 15:30</td>
<td><strong>INTERFACES AND INTERACTIONS</strong></td>
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<td><strong>Cross lingual speaker adaptation</strong></td>
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<td>Phil Garner, Dr. John Dines and Hui Liang (Idiap)</td>
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<td>15:30 – 16:00</td>
<td><strong>Epoch-based analysis of speech and its applications</strong></td>
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<td>Prof. Bayya Yegnanarayana (International Institute of IT, Hyderabad, India)</td>
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<td>16:00 – 16:30</td>
<td><strong>Measuring gaze behavior in real environments: applications to research and industry</strong></td>
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<td>Dr. Basilio Noris (EPFL)</td>
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<td>16:30 – 17:00</td>
<td><strong>EVALUATION AND USABILITY</strong></td>
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<td><strong>The importance of evaluation for multilingual information access</strong></td>
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<td>Prof. Carol Ann Peters (Institute for Information Science and Technologies, Italy)</td>
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<td>17:00 – 17:30</td>
<td><strong>What is beautiful is usable - aesthetics and other factors that influence the outcomes of usability tests</strong></td>
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<td>Dr. Andreas Sonderegger and Prof. Juergen Sauer (UNIFR)</td>
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<td>17:30 – 18:00</td>
<td><strong>IM2 Start-up Jamboree (short presentations)</strong></td>
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<td>18:30 – late</td>
<td>Dinner</td>
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<td><strong>Friday, 2 September</strong></td>
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<td>08:00 – 12:00</td>
<td><strong>Idiap Advisory Board (Idiap selected talks)</strong></td>
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<td>12:30 – 13:30</td>
<td>Lunch</td>
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<td>13:30 – 16:00</td>
<td><strong>Poster session</strong></td>
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<td>17:30 – late</td>
<td><strong>Idiap 20th anniversary gala dinner</strong></td>
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<td>Shuttle available from Idiap</td>
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Idiap Advisory Board

08:00 – 08:30 Executive summary  
Prof. Hervé Bourlard (Idiap)

08:30 – 09:00 An information theoretic approach to speaker diarization  
Dr. Fabio Valente (Idiap)

09:00 – 09:30 Natural language processing (almost) from scratch  
Dr. Ronan Collobert (Idiap)

09:30 – 10:00 Reality mining for real: large-scale human behavior and smart phone data  
Dr. Daniel Gatica-Perez (Idiap)

10:00 – 10:30 Coffee break

10:30 – 11:00 Learning and Sharing of semantic spatial concept  
Dr. Barbara Caputo (Idiap)

11:00 – 11:30 What’s going on? Discovering temporal motifs from sensors logs  
Dr. Jean-Marc Odobez (Idiap)

11:30 – 12:00 The MASH project: toward the collaborative design of hyper-complex learning software  
Dr. François Fleuret (Idiap)

IM2 Advisory Board

08:30 – 08:45 Executive summary  
Prof. Touradj Ebrahimi (EPFL)

08:45 – 09:20 Human centered design and evaluation (IP2)  
Dr. Denis Lalanne (UNIFR), Dr. Andrei Popescu-Belis (Idiap)

09:20 – 10:00 Integrated multimodal processing (IP1)  
Prof. Aude Billard (EPFL), Dr. Stéphane Marchand-Maillet (UNIGE)

10:00 – 10:30 Coffee break

10:30 – 11:15 Social signal processing (IP3)  
Dr. Alessandro Vinciarelli (GLA), Dr. Fabio Valente (Idiap)

11:15 – 12:00 Structural impact and activities beyond the NCCR (AIM2)  
Prof. Touradj Ebrahimi (EPFL)