

Welcome to the IM2 2010 Summer Institute

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*Prof. Hervé Bourlard*  
*Idiap Research Institute and EPFL*  
*IM2 Director*

GOLFHOTEL in Saanenmöser  
September 13 - 15, 2010



FONDS NATIONAL SUISSE  
SCHWEIZERISCHER NATIONALFONDS  
FONDO NAZIONALE SVIZZERO  
SWISS NATIONAL SCIENCE FOUNDATION



# Main goals of this Summer Institute

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- Get to know each others
- Encourage PhD students to get in touch (initiate collaborations)
- Discuss current status/progress of IM2-III
  - *Fundamental research*
  - *Practical applications*
- Consolidate annual progress report
- Deal with “personal life” (time & career)
- Better understanding of FP7 projects set up and evaluation
- Beyond IM2: Association for IM2 (AIM2)

# 2010 Summer Institute Programme

<http://www.im2.ch/summer-institute-2010/>



## Global Planning

## IM2 Summer Institute 2010

September 13<sup>th</sup> - 15<sup>th</sup> 2010

3777 Saanenmöser

Monday, September 13 <sup>th</sup>	Tuesday, September 14 <sup>th</sup>	Wednesday, September 15 <sup>th</sup>
<p><b>09:30 - 11:30</b>  <b>Travel</b>                      - Arrival at the GOLFHOTEL Les Hauts de Gstaad, in Saanenmöser</p>	<p><b>SPECIAL DAY WITH THE PARTICIPATION OF INTERESTED COMPANIES</b></p> <p><b>09:00 - 12:30 (Katherine Foster)</b>  <b>Workshop on practical application and collaboration</b>                      - Technology transfer                      - Career relay race                      - Partnership</p>	<p><b>09:00 - 12:30 (Katherine Foster)</b>  <b>Workshop on the maze of work and personal time</b>                      - Analysis of real examples and scenarios (mentoring in the workplace, career advancement, and work with a new family)                      - Proposition of solutions                      - Revision of the solutions, ...</p>
<p><b>12:00 - 13:30</b>  <b>Lunch</b></p>	<p><b>12:30 - 13:30</b>  <b>Lunch    A table for the IP Heads meeting</b></p>	<p><b>12:30 - 14:00</b>  <b>Lunch</b></p>
<p><b>13:30 - 14:00 (Hervé Bourlard, Katherine Foster)</b>  <b>Welcome and introduction</b>                      - IM2 overview                      - Objectives of the workshops on Tuesday and Wednesday</p>	<p><b>13:30 - 15:30</b>  <b>Poster session, networking</b></p>	<p><b>14:00 - 15:30 (Invited speakers)</b>  <b>How to advance your career and have a personal life at the same time</b>                      - An open discussion about people's career experiences.  <i>Speakers: Andrei Popescu-Belis [IDIAP], Anja Kunze &amp; Dominique Zosso [EPFL], Katherine Foster [self-employed], Jean-Philippe Thiran [EPFL]</i>  <i>Chairman: Helene Fügler [UniFR]</i></p>
<p><b>14:00 - 15:45 (IP Heads)</b>  <b>Progress overview of Phase III - Year 1 (30mn each)</b>                      - IP1: Integrated Multimodal Processing                      - IP2: Human centered design and evaluation                      - IP3: Social signal processing</p>	<p><b>15:40 - 16:00 Travel to La Maison de l'Etivaz</b></p>	<p><b>15:30 - 15:45 (H. Bourlard + K. Foster)</b>  <b>Conclusion of the workshops and of the Summer Institute</b></p>
<p><b>15:45 - 16:00</b>  <b>Coffee break</b></p>	<p><b>16:00 - 18:00 PhD students session</b>  <b>How to introduce in 1 minute who you are and what you do</b>                      - How to do this and how to extend it to a longer presentation (a practical exercise)  <b>Speaker: Yves Germanier [HEIG-VD]</b></p>	<p><b>16:00</b>  <b>End of Summer Institute</b>                      - Travel back home</p>
<p><b>16:00 - 18:00 All except PhD</b>  <b>Panel discussion about FP7 projects</b>                      - Introduction, roundtable, objectives of the participants                      - Processes, time line, role, and criteria of the evaluation                      - The experience of a FP7 evaluator, working charge and remuneration of an expert for Research Activities                      - Services of Euresearch: partners searching, networking, project resubmission, proposal pre-screening, high-potential visits                      - Building a consortium, the experience of a researcher                      - Open discussion  <i>Speakers: Patrick Furrer [Euresearch], Nadia Khaled [EPFL], Touradj Ebrahimi [EPFL], Sébastien Marcel [IDIAP]. Chairman: Patrick Furrer [Euresearch]</i></p>	<p><b>16:00 - 18:30 Social Activity</b>  <b>Visit of an Alpine cheese factory</b>                      - Slide show about the cheese making process                      - Tour of the cheese factory (different cellars)                      - Wine and cheese tasting (with the possibility to buy some at the end of the tour)                      Website: <a href="http://www.etivaz.ch">http://www.etivaz.ch</a></p>	
<p><b>19:00</b>  <b>Dinner + networking</b></p>	<p><b>19:15</b>  <b>Dinner + networking</b></p>	

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<http://www.im2.ch/summer-institute-2010>

# IM2 Phase III (2010-2013): Constraints

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- IM2-III budget: 40% of the IM2-II budget....
- Consolidating IM2-II achievement:
  - *Scientific achievements, active collaboration, and structural impact (current and future)*
- Reassessment of future research directions
  - *More emphasis on multimodality, user-centric design and evaluations*
- Encourage collaboration and integration
  - *Focus on projects already involving multiple partners and/or requiring joint research and integration efforts*
- Community building
  - *Keep building a lasting IM2 community*
  - *Im2 support for new, related activities...*
  - *AIM2*
  - *LinkedIn*

# IM2 Phase III (2010-2013): Design

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- Consolidation of most of the IM2 activities in one single IP to further foster collaboration and focus **(IP1)**
- More emphasis on human-centered design and evaluation **(IP2)**:
  - *Testing generalization properties of IM2 results (IP1) on different application domains*
  - *Developing more user-centric applications and evaluation protocols (required new partners)*
- Extend fundamental research in one of the newest, but most promising, (longer-term) outcomes of IM2-II **(IP3)**:
  - *Social signal processing (in relation with EU SSPNet and PetaMedia Networks of Excellence)*

# IM2 Phase III – R&D Topics

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## Management and other activities

- Knowledge and Technology Transfer
- Education
- Exchange programs
- Advancement of Women
- Community Building

## IP1. Integrated Multimodal Processing

- Core multimodal technologies geared towards integration into end-to-end applications
- Multimodal processing of meetings and other data
- Meeting browsers and assistants
- Evaluation of integrative applications

## IP2. Human Centered Design and Evaluation

- New educational application(s) based on IM2 technologies
- Exploitation of multimodal research
- Ergonomics, usability, and user studies

## IP3. Social Signal Processing

- Analysis of social behavior through non-verbal communication
- Vocal behavior, gestures, other cues
- *Relations* to SSPNet EU networks of excellence, and to Affective Sciences NCCR

# IM2 Phase III – Partners

## Management and other activities

- Idiap: **Prof. H. Bourlard** (Director)
- EPFL: **Prof. T. Ebrahimi** (Deputy Director)
- IP Heads
- IP Deputy Heads
- Steering Committee Members

## IP1. Integrated Multimodal Processing

- EPFL: **Prof. A. Billard** (IP Head), Prof. J.P. Thiran, Prof. T. Ebrahimi
- UniGe: Prof. T. Pun, **Dr. S. Marchand-Maillet** (Deputy IP Head)
- Idiap: Senior researchers in speech, vision, machine learning, interfaces and evaluation
- UniFr: Prof. R. Ingold, Dr. D. Lalanne

## IP2. Human Centered Design and Evaluation

- UniFr: Prof. R. Ingold, **Dr. D. Lalanne** (IP Head), Prof. J. Sauer (*new in IM2*)
- Idiap: **Dr. A. Popescu-Belis** (Deputy IP Head)
- EPFL: Prof. P. Dillenbourg (*new in IM2*)

## IP3. Social Signal Processing

- Idiap: **Dr. A. Vinciarelli** (IP Head)
- Idiap: **Dr. F. Valente** (Deputy IP Head, *new in IM2*),
- ETHZ: Prof. L. Van Gool, Prof. V. Ferrari (*new in IM2*)
- Others

# AIM2 – The IM2 Association

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*The purpose of AIM2 is to promote the field of Interactive Multimodal Information Management by strengthening the corresponding education, research, development and dissemination activities.*

*In line with its purpose, AIM2 supports its community of interest in:*

- *Setting up and conducting research and development projects;*
- *Encouraging consulting and technology transfer;*
- *Mediating exchanges of data corpora, software and know-how;*
- *Promoting teaching and educational activities;*
- *Facilitating dissemination of knowledge through the organization of events and publications.*

# AIM2 – The IM2 Association

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*The Association for Interactive Multimodal Information Management (AIM2) is concerned with the field of interactive systems that facilitate access to and management of multimedia and multimodal information and which enhance human-to-human communication.*

*AIM2 will particularly support research and development in the domains of multimodal information processing, multimedia indexing and retrieval, multimodal interfaces for human-computer interaction, and social signal processing.*

*AIM2 also aims at promoting education and dissemination in these fields.*

# *Thank you for your attention!*

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Enjoy the Summer School  
Scientifically  
and  
Socially!!!!