



H2020 ICT 48 Network of Centers of Excellence
WP 2 Multi-Modal Perception and Modeling
Microproject Brainstorming meeting
21 Oct 2020

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MicroProject Brainstorming and Pitch Meeting

21 Oct 2020 – 15h to 17h



Agenda

- Round table introduction of participants
- Definition and Selection Criteria for Microprojects
- The WP 2 project committee
- Prescheduled Project Proposals (15 min per proposal)
 1. Luc Steels: “Linking visual perception, language and semantic memory for building narratives”
- PreScheduled Project Idea Pitches (15min/idea)
 1. Andras Lorinz, (ELTE) - "Intelligent human-machine interaction for quality assurance in the medical domain"
 2. Nachwa Aboubakr (Inria) - "Aligning videos with recipes for video narration - Creating a Data Set and A Baseline".
 3. Patrizia Frattori (Unibo) - "how human subjects leverage input sensory information to interact with environment".
 4. Daniel Roggen (UniSussex) – “Collection of datasets tailored for HumanE-AI multimodal perception and modelling”
 5. Slim Ouni (Loria) – “Online Collaborative annotation for communication-based multimodal data”
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HumanE AI Net

A Network of Centers of Excellence



Topic: Advanced Perception and Interaction with Humans.

Ambition: Humane-AI-Net will develop scientific foundations and enabling technologies for AI systems that can understand and assist humans, enhance human capabilities, and empower individuals and society as a whole.

Coordinator: Paul Lukowicz (DFKI).

A copy of the proposal is available at

<http://crowley-coutaz.fr/jlc/HumanE-AI-Net/HumanE-AI-Net-proposal.pdf>



HumanE AI Net

Funding: 12 M Euros for 36 months.

Approach:

- Five Workpackages devoted to scientific areas in Human Centric AI + Four Workpackages devoted to societal impacts.
- Each workpackage organised as a set of specialised “Topics”.
- Collaborative Micro-projects respond to research challenges defined in each workpackage
- Collaborative Micro-projects are proposed “bottom-up” by researcher and selected by each Work package committee
- Projects are selected and managed by the WP leader, assisted by a committee of topic leaders from the WP.



HumanE AI net Workplan

WP 1 Interactive Learning, Reasoning and Planning

WP 2 Multi-Modal Perception and Modeling

WP 3 Human AI Interaction and Collaboration

WP 4 Social AI

WP 5 AI Ethics and Responsible AI

WP 6 Applied research with industrial and societal use cases

WP 7 Innovation Ecosystem and Socio-Economic Impact

WP 8 Virtual Center of Excellence, Capacity building and Dissemination

WP 9 Synergies with AI on demand platform(s) and the Broader European AI Community

WP 10 Management and Governance



WP 2 Multi-Modal Perception and Modeling

Coordinator James Crowley (INRIA)

Partners: DFKI, ATHENA, CNR, CNRS, CU, INESC TEC, INRIA, JSI, ORU, SORBONNE, TUBITAK, TU WIEN, UCPH, UGA, ULEI, UNIBO, UNIPI, UCL, WARSAW, UOS, UVB

Topics (tasks):

- T2.1: Learning of multimodal models grounded in physical reality (DFKI)
- T2.2: Multimodal perception and modeling of actions, activities and tasks (INRIA)
- T2.3: Multimodal perception of awareness, emotions, and attitudes. (INRIA)
- T2.4: Perception of Social Signals and Social Dynamics (SORBONNE)
- T2.5: Distributed Collaborative Perception and Modeling (UNIPI)
- T2.6: Dealing with lack of labeled training data (DFKI)
- T2.7: Assembling benchmark datasets (SUSSEX)
- T2.8: Consolidation and coordination of the research agenda (INRIA)
- T2.9: Responsible Research and Innovation Assessment (RRIA) (INRIA)

Examples of Collaborative Micro-projects:

- (1) Narrative Description and Assistance for Kitchen Activities.
- (2) Challenge in computational behavioral analytics with AI and sensors.

The WP 2 Committee

Role: Selection and evaluation of Microprojects.

Members: (representing Topic Areas in “Multimodal Perception and Modeling”)

Alessandro Saffiotti (Orebro University),

Fabien Ringeval (University Grenoble-Alpes),

Mohamed Chetouani (Sorbonne Univ.),

Matteo Bianchi (Univ. Pisa),

Vitor Rey Fortes (DFKI),

Daniel Roggen (Univ. Sussex),

James Crowley (INRIA and Grenoble INP) and

Paul Lukowicz (DFKI)

We have place for one more expert in the area “Learning of multimodal models grounded in physical reality” (Topic 2.1)

Collaborative Micro-projects



Definition: A small group of researchers (2-5) from different organizations working together to provide a tangible result made available through the AI4EU platform.

Example Results: a data set, a software library, a software component, a paper, workshop with proceedings, an on-line Tutorial

Micro projects terminate with a presentation in a project meeting.

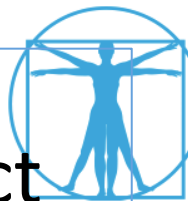
Duration: 1 to 6 months

Effort: 6 – 12 PMs (2 to 6 PM per partner)

Limit: 1 micro-project per person at a time.

Funding: Each partner organisation has 60K€ pre-allocated for Micro-projects. (You do not have to be listed in a WP to propose a Micro-projects.)
When the pre-allocated funds are spent, the partner can request more.

2 M€ Open funding: 1 M€ for HAI partners, 1 M€ for third-parties



How to Propose a Collaborative Micro-project

- 1) Define the tangible output
- 2) Recruit your collaborators
- 3) Define roles, objectives and tasks for collaborators
- 4) Prepare a 1 page application form
- 5) Submit the proposal to a Work package Committee.

Virginia Dignum (WP5) has set up an online form for submitting proposals

<https://form.jotform.com/202665132217347>

If you use this, please send me a copy!

Draft Application Form

HumanE AI Net Micro-Project Report Form

Title:

Description of Results
(5-10 lines)

Task(s) involved : number (s) and title (s) as specified written in the proposal

Partners and actual effort (as will be claimed from the EU)

Partner 1: Name, actual effort in PMs

Partner 2: Name, actual effort in PMs

.....

Partner N: Name, actual effort in PMs

External partners (if applicable)

What was the impact of the external partner, what costs were reimbursed how.

5-10 line

Tangible output.

Bullet list, 1-2 lines per output (e.g. paper in, toolset, data set, demo, tutorial etc.), including how it is available from where

Approval / remarks of WP leader(s).

What happens when a partner's budget is spent?

When a Humane-AI-Net partner's cumulative cost claims for micro-projects (man-power, equipment, travel) exceeds 60K, excess spending can be covered by the 1 M Euro reserved for partners. In this case, the partner's contact person should contact the coordinator and request authorization (and if needed, a contract amendment).

This is why authorization by the partner's Humane-AI Net contact person is required for participation in a Micro-project! (normally a formality, but....)

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