

Network Action Proposal

Title:	INTERNATIONAL SCHOOL " E. R. CAIANIELLO" XII COURSE on <i>Multimodal Signals: Cognitive and Algorithmic Issues</i>
Membership number(s)	198
Member name(s)	Anna Esposito
Member institute/company name(s)	Second University of Naples, Department of Psychology, Caserta, Italy
Goals of the action	To allow EU cognition Members to join and contribute to the meeting and get reimbursed from travel and accommodation expenses and to allow exchange of idea and research work with the Members of the European COST Action 2102, <i>Cross Modal Analysis of Verbal and Nonverbal Communication</i> , http://www.cost.esf.org/index.php?id=110&action_number=2102
Principal activity to which it contributes <ul style="list-style-type: none"> o Community Outreach o Scientific Outlook o Education & Training 	Scientific Outlook and Education and Training
Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)	The school will have as concrete outcome a book, published by Springer-Verlag and sponsored by the joint effort of EU cognition Network and COST Action 2102. The book will contain contributions from both EU and COST 2102 Members as well as those of invited speakers and selected contributions by students. The abstracts of the contributions will be published both on COST 2102 and EU cognition website
Effort in person-days that will be charged to the Network Action (if any)	NONE
Expected start and duration in months	The school period is from the 21 st to the 26 th of April 2008. Arrival 21, Departure 27 April
The requested funding, under the following headings: <ul style="list-style-type: none"> o Travel Costs o Other Costs (check with the Network Coordinator if you aren't sure about eligibility of these costs) o Labour Costs (identify the number of person-days and the rate per day). 	The event is funded by COST 2102. What it is required is that the EU cognition Members that want to join the event can be supported by EU cognition according the EU cognition rules

<p>Please identify any other sources of funding that contribute to this Action (actions to support events such as workshop and conferences should include an outline budget identifying the total cost)</p>	<p>The COST Action 2102 will support the event.</p>
<p>Workshops: <i>official euCognition event</i> (yes/no & maximum number of members that can be accommodated)</p>	<p>Yes</p>

INTERNATIONAL SCHOOL " E. R. CAIANIELLO"
XII COURSE on
Multimodal Signals: Cognitive and Algorithmic Issues

Vietri sul Mare, Italy 21 - 26 April 2008

details are on the web site www.cost2102.eu ("Next event")

COST 2102 grants are available for up to 30 PARTICIPANTS (maximum of 600 EUROS for accommodation, living and travel expenses). The criteria for obtaining the award are given in the Application Procedure section.

1. CONTENTS

- 1) Verbal and non verbal information in the face-to-face communication;
- 2) Cross modal analysis of speech, gestures, gaze and facial expressions;
- 3) Socio-cultural differences and personal traits;
- 4) Multimodal algorithms and procedures for the automatic recognition of emotions, faces, facial expressions, and gestures;
- 5) Audio and video features for implementing intelligent avatars and interactive dialogue systems

2. Preliminary LIST of LECTURERS

Gérard Bailly ICP, GRENoble, France

Sue Duncan, University, Chicago, USA

Anna Esposito, Second University of Naples, IIASS, Italy

Marcos Faundez-Zanuy, Escola Universitaria Politecnica de Mataro, Spain

Eric Keller, Université de Lausanne, Switzerland

Adam Kendon, University of Pennsylvania, USA

Robert Krauss, Columbia University, New York, USA

Bernd J. Kröger, University Hospital Aachen, Germany

Alex Pentland, MIT, Media Arts and Sciences, Cambridge MA, USA

Isabella Poggi, Università di Roma 3, Italy;

Ulrich Sauerland, Zentrum für allgemeine Sprachwissenschaft, Berlin, Germany

Matthias Wimmer, Technische Universität München, Germany

Bencie Woll, University College London, UK

3. TARGET AUDIENCE

The school is oriented towards scientists, researchers and students working in the field of multimodal communication who are invited (**COST 2102 MC members are particularly invited to contribute and /or report on COST 2102 activities**) to submit short contributions to allow exchanges and discussions with the invited speakers.

4. ORGANIZATION

The school is organized as a series of lectures presented by the invited speakers, with short presentations given by the participants that will focus on recent developments and open problems in the field of multimodal signals in face-to-face interactions.

5. AIMS

The school will be built on existing and growing connections between the emerging field of technology devoted to the development of intelligent avatars and interactive dialogue systems and the fundamentals of verbal and non verbal communication which includes facial expressions, tone of voice, gestures, eye contact, spatial arrangements, patterns of touch, expressive movement, cultural differences, and other "nonverbal" components. Several further key aspects will be considered, such as the integration of algorithms and procedures for the recognition of emotional states, gesture, speech and facial expressions, in anticipation of the implementation of useful applications that could be exploited to improve user access to future telecommunication services.

6. ORGANIZING INSTITUTIONS

- **Faculty of Psychology**, Second University of Naples, Via Vivaldi, 43, Caserta, 81100, Italy, www.unina2.it/psicologia;
- **Faculty of Science, Mathematics, and Physics**, Second University of Naples, Via Vivaldi, 43, Caserta, 81100, Italy, www.scienzemfn.unina2.it ;
- **Faculty of Environmental Science**, Second University of Naples, Via Vivaldi, 43, Caserta, 81100, Italy, www.sa.unina2.it/La_Facolta;
- **Department of Physics**, University of Salerno, Via S. Allende, Baronissi, Salerno, 84081, Italy, www.unisa.it;
- **International Institute for Advanced Scientific Studies (IIASS)**, via Pellegrino 19, 84019, Vietri sul Mare (Salerno), Italy, www.iiassvietri.it;

Supported by *COST 2102: Cross Modal Analysis of Verbal and Nonverbal Communication* (www.cost2102.eu).

7. INTERNATIONAL ADVISORY COMMITTEE

- (a) Anna Esposito, Second University of Naples, Caserta and IIASS, Italy
- (b) Marcos Faundez-Zanuy, Escola Universitaria Politecnica de Mataro, Spain
- (c) Amir Hussain, University of Stirling, United Kingdom
- (d) Eric Keller, University of Lausanne, Switzerland
- (e) Maria Marinaro, University of Salerno and IIASS, Italy
- (f) Nicola Melone Second University of Naples, Caserta, Italy
- (g) Raffaele Martone Second University of Naples, Caserta, Italy

8. LOCAL ORGANIZING COMMITTEE

- Prof. Anna Esposito (Second University of Naples and IIASS)
- Prof. Alida Labella (Second University of Naples)
- Prof. Roberto Ligrone (Second University of Naples)
- Prof. Maria Marinaro (Salerno University and IIASS)
- Prof. Raffaele Martone (Second University of Naples)
- Prof. Nicola Melone (Second University of Naples)
- Prof. Giovanna Nigro (Second University of Naples)
- Dr. Antonio Natale (Salerno University and IIASS)
- Prof. Francesco Piazza (Universita' delle Marche)

9. TECHNICAL

Michele Donnarumma (IIASS)

10. SECRETARY

Tina Marcella Nappi (Scientific Secretary, IIASS), iiass.segreteria@tin.it

11. SCHOOL OUTPUT

The school output will be a book, published by a **designated publisher**. **Springer Verlag is among the editing press candidates**. It will take from 3 to 5 months after the school, in order to collect, revise and obtain a complete camera-ready manuscript for publication. Based on this schedule, the volume will be available 6 months after the actual meeting.

The book will contain contributions from the **invited lecturers, as well as selected contributions from the participants**. **The length of the manuscript** should **not exceed 12-13 pages** for lecturers' contributions and **5 pages** for selected contributions.

Proposed contributions will undergo a peer review before being accepted for publication. The review process will start soon after the school, and participants will be notified of the revision results no later than two months after the school.

Participants should **express their desire to propose a contribution** and send together with the application form **the title and the abstract**.

12. SCHOOL COSTS

There is no registration fee for joining the school. However, a banquet is foreseen and participants who want to join the banquet (and who are not COST 2102 MC members or invited speakers) are required to pay the banquet cost which is around **35 Euros**.

Coffee breaks and proceedings are covered by COST 2102.

Participants (which are not COST 2102 MC members or invited speaker) should take care of their own accommodation. For help in finding appropriate accommodations, it is suggested to contact the Hotel "La Lucertola" in Vietri sul Mare, attn. Mr. Andrea Senatore (andrea@hotellalucertola.it). The management of the hotel is offering to book rooms in their hotel or in a hotel close-by at a discounted price. Please notify the hotel direction that you are participating in the COST 2102 school in order to obtain the discount.

13. APPLICATION Procedure

ELIGIBILITY for joining the school

The school is open to all motivated scientists, of any nationality.

Applicants with little experience in the field should include a recommendation letter of their supervisor.

COST 2102 grants are available for up to 30 PARTICIPANTS (maximum of 600 EUROS for accommodation, living and travel expenses).

The grant will be attributed by **COST 2102 INTERNATIONAL AWARD COMMITTEE** composed by the following professors:

- (a) Anna Esposito, Second University of Naples, Caserta and IIASS, Italy
- (b) Eric Keller, University of Lausanne, Switzerland
- (c) Anton Nijholt, University of Twente, The Netherlands;
- (d) Klára Vicsi; Budapest University of Technology and Economics, Budapest, Hungary

12.1 **ELIGIBILITY** for COST 2102 SUPPORT

1. **COST 2102 supports up to 30 participants** coming from COST 2102 Countries as listed on http://www.cost.esf.org/index.php?id=110&action_number=2102 **PLEASE CHECK YOUR ELIGIBILITY.**

COST 2102 support will be awarded according the following criteria:

- a) Participants will be awarded on the basis of their qualifications, their potential contribution to the school and to COST 2102 Activities, and the benefits that they may draw from the meeting for their future activities. **To this aim, applicants should attach a letter justifying their request for support. Young scientists should attach a recommendation letter from their advisor;**
- b) All supported participants are expected **to remain for the full duration of the meeting;**

Application form and abstract should be send by e-mail to iiass.segreteria@tin.it and to the award committee (iiass.annaesp@tin.it, Eric.Keller@unil.ch, anijholt@cs.utwente.nl, vicsi@tmit.bme.hu) no later than **March 1 2008** .

Applicants will be notified of the amount of support and all supplementary information for joining the school by March 20, 2008.

FORESEEN

Year: 2008.

Period: **April 21 -26, 2008**

Number of Lecturers: 12-15

Foreseen Number of Participants: **50 - 60.**

Number of days: 5

Place: IIASS (Vietri sul Mare, Salerno, Italy)

Day time: three hours in the morning, three and a half hours in the afternoon.

Day free: half day is free for a local excursion.

IMPORTANT DATES:

Deadline for sending the applications: **March 1, 2008**

Notification of acceptance: **March 20, 2008**

School Time: **April 21-26, 2008**

Arrival: **April 21, 2008**

APPLICATION FORM

Family Name and First Name.....

Sex:

Nationality and Country of permanent residence.....

Research field and experience (please specify if you are a BS, MS, Ph.D, Dr., Prof.)

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Full Mailing Address (including institution or company name if appropriate):

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Phone:..... Fax:..... E-mail:.....

Date of Arrival:.....

Date of Departure:.....

Do you intend to submit a short contribution?

YES/NO (delete the alternative that does not apply)

If YES please print the title of your contribution

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If YES please attach an abstract in WORD of no more than 250 words, when submitting your application.

Are you applying for COST 2102 support?

YES/NO (delete the alternative which does not apply);

If YES please include a justification letter.

Applicants with few experience should include a recommendation letter of their supervisor.

Please send comments and questions to Mrs. Tina Nappi, iiass.segreteria@tin.it

Application form and abstract should be send by e-mail to iiass.segreteria@tin.it and to the award committee (iiass.annaesp@tin.it, Eric.Keller@unil.ch, anijholt@cs.utwente.nl, vicisi@tmit.bme.hu) no later than **March 1 2008**.