Call for papers

Social and biometric data for applications in human-machine interactions: Models and algorithms

Special Session 26th Italian Workshop on Neural Networks (WIRN 2016)

WIRN 2016 is sponsored by the *Italian Society of Neural Networks* (SIREN) in co-operation with the *International Institute for Advanced Scientific Studies* (IIASS)

May 18-20, 2016, Vietri sul Mare, Salerno, Italy.
http://www.associazionesiren.org/initiatives/default.asp
www.iiassvietri.it (here you will find instructions on how to reach the Conference Location)

I. **PROGRAM CO-CHAIRS AND CONTACTS:**
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II. THEME AND SCOPE OF THE SESSION

The aim of this special session is to provide an overview of ideas and methods for developing autonomous systems capable to support friendly human-machine interactions. To this aim, data gathered from behavioral and social experiments, biometrics measurements, algorithms and models of social and individual behaviors are processed and interpreted. These kinds of interdisciplinary facets found relevant applications in ICT interfaces able to monitor the health status and the affective states of their users, gather their psychological status and their behavioral patterns, and support them through suitably designed interventions.

III. TOPICS

Topics include but are not limited to:
- Analysis and identification of affective wellbeing and emotional states
- Case studies for detection of health status and personal health informatics
- Social networks for information spread and share
- ICT interfaces for supporting wellbeing and empathy
- Supervised and unsupervised algorithms for psychological and health status identification
- Application Oriented Redefinition of "Emotions"
- Computational Architectures for Affective Systems
- Supervised and Unsupervised Learning Algorithms in Affective Systems
- Human and/or machine encoding and decoding of behavioural patterns
- Human daily cognitive activities

IV. IMPORTANT DATES
- Paper Submission: **April 25, 2016**
- Notification of acceptance: **May 1, 2016**
- Camera-ready copy: **May 15, 2016**
- Conference Dates: **May 18-20, 2016**

V. PUBLICATION AND PAGE LIMITATIONS

- Accepted contributions will be published on the Springer series on "**Smart Innovation Systems and Technologies"** (see http://www.springer.com/series/8767 for the download of the paper format). The maximum length of the **full paper is 8 pages**
- The manuscripts should be submitted through Easy Chair conference system by using the following website address: https://easychair.org/conferences/?conf=wirn2016. (and also sent electronically to iiass.annaesp@tin.it, and to gennaro.cordasco@unina2.it**)**. Please specify that you want to contribute to the special session on: *"Social and biometric data for applications in human machine interactions: Models and algorithms"*
- Please do not hesitate to contact Anna Esposito (iiass.annaesp@tin.it) or Gennaro Cordasco (gennaro.cordasco@unina2.it) for further clarifications

VI. REGISTRATION FEE

- The registration fees to attend WIRN 2016 conference and the Special Session is **200 €** and **include the conference social dinner.** Registration can be done on site (**using cash**) or through bank transfer (the receipt must be exhibited at the conference) to:
  - > > Bank Name: UBI-Banca Carime
  - > > Branch: Filiale di Salerno - Agenzia Centrale [6701]
  - > > IBAN: IT26K0306715201000000022400
  - > > BIC/SWIFT CODE: CARMIT31
  - > > Reason: WIRN 2013 conference
- Send an e-mail to Miss Tina Nappi, email: t.nappi@iiassvietri.it if you need further details.