CONFERENCE PROGRAM

Thursday 23rd, May

9:00 - 12:00 **REGISTRATION** – IIASS Secretariat (Tina Nappi)

9:00  **WELCOME ADDRESS**
N. Mancini, President of IIASS
F. C. Morabito, President of SIREN, Chair of WIRN

**Opening Plenary Lecture**
Chair: Alfredo Petrosino
9:15 – 10:00 Sankar Kumar Pal
J C Bose National fellow, INAE Chair Professor, Indian Statistical Institute
Granular computing and rough pattern recognition

**Regular Lectures** (Chairs: Marco Gori, Francesco Masulli)

10:00 – 10:15 Silvia Scarpetta, Antonio De Candia
Pruning spiking networks: effects of sparsity on phase-coding and storage capacity

10:15-10:30 Francesco Camastra, Angelo Ciaramella, Valeria Giovannelli, Matteo Lener, Valentia Rastelli, Antonino Staiano, Giovanni Staiano and Alfredo Starace

10:30-10:45 Gabriella Piscopo and Marina Resta
Multi-Country Mortality Analysis using Self Organizing Maps

10:45-11:00 Francesco Masulli, Raffaella Rosasco, Hassan Mahmoud, Stefano Rovetta
A quality-driven ensemble approach to automatic model selection in clustering
11:00 - 11:15 **COFFEE BREAK**

11:15 - 11:30 Claudio Saccà, Michelangelo Diligenti and Marco Gori
*Experimental Guidelines for Semantic-Based Regularization*

11:30 - 11:45 Antonietta M. Esposito, Luca D’Auria, Andrea Angelillo, Flora Giudicepietro and Marcello Martini
*Predictive analysis of the seismicity level at Campi Flegrei volcano using a data-driven approach*

11:45 –12:00 Francesco Castaldo and Francesco Palmieri
*Data Fusion Using a Factor Graph for Ship Tracking in Harbour Scenarios*

12:00 – 12:15 Dario Malchiodi and Tommaso Legnani
*Avoiding the Cluster Hypothesis in SV Classification of Partially Labeled Data*

12:15 – 12:30 Marco Villani, Stefano Benedettini, Andrea Roli, David Lane, Irene Poli and Roberto Serra
*Identifying emergent dynamical structures in network models*

12:30 – 12:45 Stefano Chessa, Claudio Gallicchio, Roberto Guzman and Alessio Micheli
*Robot Localization by Echo State Networks using RSS*

12:45 – 13:00 Rachele Bellini, N. Alberto Borghese
*Genetic art in perspective*

13:00 – 13:15 Luca Pugliese and Silvia Scarpetta
*An Object based Analysis applied to Very High Resolution Remote Sensing data for the Change Detection of Soil Sealing at Urban scale*

13:15 – 14:30 **Lunch Break**
Special Session
“Social and Emotional Networks for Interactional Exchanges”
Chairs: Gennaro Cordasco, Anna Esposito and Maria Teresa Riviello

“Maria Marinaro” Invited Lecture
Chair: Anna Esposito
14:30 – 15:15 Sara Rosenblum
University of Aifa, Israel
Brain–hand language secrets and their relationships with daily activities of children with hidden disability

“Luigi Maria Ricciardi” Invited Lecture
Chair: Anna Esposito
15:15 - 16:00 Laurence Likforman
Telecom-Paristech, France
Recent approaches in handwriting recognition with markovian and recurrent neural network models

16:00 -16:15 Coffee Break

Regular Lectures (Chair: Maria Teresa Riviello)

16:15 - 16:35 Amelia Burns, Lucia Abbamonte and Olimpia Matarazzo
Corpus Linguistics and the Appraisal Framework for retrieving Emotion and Stance – The case of the Samsung and Apple Facebook pages

16:35 - 16:55 Judit Benyei, Aniko Illes, Gabriella Pataký, Zsófia Ruttkay and Andrea Schmidt
Which Avatars Comfort Kids?

16:55 -17:15 Antonio Pace and Augusto Gnisci
The Effects of Hand Gestures on Psychosocial Perception: A Preliminary Study
17:15 - 17:35 Vincenzo Capuano, Gianluigi Ombrato, Maria Teresa Riviello, Gennaro Cordasco and Anna Esposito
The influence of positive and negative emotions on memory: a comparison between physiological responses and a Story Recall Test (SRT) scores

17:35 – 17:55 Alda Troncone, Davide Palumbo and Anna Esposito
Mood Effects on the Decoding of Emotional Voices

17:55 – 18:15 Florentina Adascalitei, Ioan Doroftei, Ovidiu Crivoi and Bram Vanderborght
Reaching minimal affective behavior in human-robot social interaction

18:15 – 18:35 Mauro Maldonato
The ascending reticular activating system The common root of consciousness and attention

18:30 SIREN Steering/Scientific Committee Meeting
Friday 24th, May

9:00 - 12:00 **REGISTRATION** – IIASS Secretariat (Tina Nappi)

**Special Session (contd.)**
"Social and Emotional Networks for Interactional Exchanges"

**Regular Lectures** (Chair: Gennaro Cordasco)

9:00 - 9:20 Štefan Beňuš  
*Conversational entrainment in the use of discourse markers*

9:20 - 9:40 Maria Teresa Riviello, Rytis Maskeliunas, Jadvyga Kruminiene and Anna Esposito  
*Language and Gender Effect in Decoding Emotional Information: a Study on Lithuanian Subjects*

9:40 – 10:00 Marcos Faundez-Zanuy and Enric Sesa-Nogueras  
*Preliminary experiments on automatic gender recognition based on online capital letters*

10:00-10:20 Milan Gnjatović and Vlado Delić  
*End-User Design of Emotion-Adaptive Dialogue Strategies for Therapeutic Purposes*

10:20-10:40 David M. Horowitz  
*Bio-Faithful Speech Recognition*

10:40 – 11:00 **COFFEE BREAK**
Regular Lectures (Chair: Vincenzo Capuano)

11:00-11:20 Bernd J. Kröger
*Modulation of cognitive goals and sensorimotor actions in face-to-face communication by emotional states: the action-based approach*

11:20-11:40 Gennaro Cordasco, Vincenzo Capuano, Maria Teresa Riviello and Anna Esposito
*Youtube Emotional Database: How to acquire User Feedback to Build a Database of Emotional Video Stimuli*

11:40-12:00 Ingo Siegert, Dmytro Prylipko, Kim Hartmann, Ronald Böck and Andreas Wendemuth
*Investigating the Form-Function-Relation of the Discourse Particle "hm" in a Naturalistic Human-Computer Interaction*

12:00-12:20 Carl Vogel
*Intended and Unintended Offence*

12:20-12:40 Xavier Font-Aragones and Marcos Faundez-Zanuy
*Data Fusion for Hand Image Biometric Recognition*

12:40-13:00 Maurice Grinberg, Evgeniya Hristova, Monika Moudova and James Boster
*Conceptual Spaces for Emotion Identification and Alignment*

13:00-13:20 Evgeniya Hristova, Veselina Kadreva and Maurice Grinberg
*Emotions and Moral Judgment: A Multimodal Analysis*

13:20 – 14:30 Lunch Break
Regular Lectures (Chairs: A. Uncini, S. Squartini)

14:30 –14:45 Michele Scarpiniti, Danilo Comminiello, Simone Scardapane, Raffaele Parisi and Aurelio Uncini
Proportionate Algorithms for Blind Source Separation

14:45 –15:00 Marco Corazza, Stefania Funari and Riccardo Gusso
An evolutionary approach to preference disaggregation in a MURAME-based credit scoring problem

15:00 - 15:15 Giuseppe M.L. Sarne'
A SOM-based Collaborative Filtering Recommender

15:15 –15:30 Maurizio Fiasché
SVM Tree for Personalized Transductive Learning in bioinformatics classification problems

15:30 - 15:45 Yibin Ye, Stefano Squartini and Francesco Piazza
Learning capabilities of ELM-trained Time-Varying Neural Networks

15:45 – 16:00 Coffee Break

“Eduardo Renato Caianiello” Invited Lecture

16:00 – 16:45 Virginio Cantoni
University of Pavia, Italy
Pattern recognition techniques for morphological analysis and motifs retrieval in macromolecules
Regular Lectures (Chairs: Eros Pasero, Stefano Squartini)

16:45 - 17:00 Francesco Napolitano, Roberto Tagliaferri and Pierre Baldi
An Adaptive Reference Point Approach to Efficiently Search Large Chemical Databases

17:00 - 17:15 Eros Pasero, Luca Mesin, Ruggero Cattaneo and Annalisa Monaco
Pupillometric study of the dysregulation of the autonomous nervous system by SVM networks

17:15 - 17:30 Marco Severini, Stefano Squartini, Francesco Piazza and Gianpiero Surace
Smart Home Task and Energy Resource Scheduling based on Nonlinear Programming

17:30 - 17:45 Francesco Bertoluzzo and Marco Corazza
Reinforcement Learning for automatic financial trading: Introduction and some applications

17:45 - 18:00 Simone Scardapane, Danilo Comminiello, Michele Scarpiniti and Aurelio Uncini
A Preliminary Study on Transductive Extreme Learning Machines

18:00 - 18:15 Eros Pasero, Amedeo Troiano and Fernando Corinto
A memristive circuit using basic elements with memory capability

18:15 - 18:30 Valeria D'Amato, Gabriella Piscopo and Maria Russolillo
Adaptive Neuro-Fuzzy Inference Systems vs Stochastic Models for Mortality data

18:30 – 18:45 Domenico Labate, Fabio La Foresta, Isabella Palamara, Giuseppe Morabito, Francesco Carlo Morabito
Alzheimer's Disease EEG exhibits Complexity Modifications and Super-Compressibility
18:45 **Conference Closing**

19:00 **SIREN Society Meeting**

20:30 **Social Dinner**