
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

A Fuzzy Decision Support System for the Environmental Risk Assessment of Genetically Modified Organisms.

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 Pataky, Zsafia 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 Kruminienė 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**

WIRN