CONFERENCE PROGRAM
Thursday 15th, May

14:00 REGISTRATION – IIASS Secretariat (Tina Nappi)

“E.R.CAIANIELLO” OPENING INVITED LECTURE
14:30 – 16:00
Open Plenary Lecture: Leon Chua
University of California at Berkeley (USA)
MEMRISTOR: PAST, PRESENT AND FUTURE

16:00- 16:15 Coffee Break

SPECIAL SESSION: MEMRISTOR AND COMPLEX DYNAMICS IN BIO-INSPIRED NETWORKS
Chairs: Fernando Corinto, Eros Pasero

INVITED LECTURE
16:15 – 16:45
Salvatore Iannotta
Memristors and bio-sensing: a perspective to explore towards a novel bio-electronic platform

16:45 – 17.00
Carlo Petrarca, Soudeh Yaghouti, Lorenza Corti, Massimiliano de Magistris
Analog realization of a non linear network with re-configurable structure as paradigm for real time analysis of complex dynamics

17:00 – 17.15
Khaled Nabil Salama
Memristor-based oscillators

17:15 – 17:30
Amedeo Troiano, Eros Pasero
Shape memory piezoelectrics are memristive systems

17:30 – 17:45
Mattia Frasca
Synchronization in networks of nonlinear circuits through memristor-based synapses
17:45 – 18:00
Fernando Corinto, Jacopo Secco
Memristor-based binary synapses for bio-inspired neural networks

18:00 – 18:15
Maurizio Fiasché, Marco Taisch,
On The Use Of Quantum-Inspired Optimization Techniques For Training Spiking Neural Networks: A New Method Proposed

REGULAR SESSION
Chair: Raffaele Parisi

18:15 – 18:30
Marta Cardin, Silvio Giove
A Grid-Based Optimization Algorithm for Parameters Elicitation in WOWA Operators: an Application to Risk Assessment

18:30 – 18:45
Danilo Comminiello, Simone Scardapane, Michele Scarpiniti, Raffaele Parisi and Aurelio Uncini
Online Selection Of Functional Links For Nonlinear System Identification

19:00
SIREN Society Meeting (reserved to SIREN members)

20:00
SIREN Steering Committee Meeting (reserved to elected SC members)

21:00
Social Dinner (Hotel La Lucertola, Vietri S/M)
CONERENCE PROGRAM

Friday 16th, May

9:00 REGISTRATION – IIASS Secretariat (Tina Nappi)

9:00: 9:10

SPECIAL SESSION: EMOTIONAL EXPRESSIONS AND DAILY COGNITIVE FUNCTIONS

Chair: Anna Esposito

INVITED LECTURES

“Maria Marinaro”

9:10 – 9:50

Björn Schuller
Imperial College London/UK and Munich’s Technical University (TUM), Germany

Deep Learning our Everyday Emotions

“Luigi Maria Ricciardi”

9:50 - 10:30

Laurence Likforman
Telecom-Paristech, France

Extracting style and emotions from handwriting

REGULAR LECTURES

Chair: Gennaro Cordasco

10:30 – 10:45

Vincenzo Paolo Senese, Augusto Gnisci and Antonio Pace.

Cogito, ergo gusto: Explicit and implicit determinants of the first consumption behaviour

10:45-11:00

Anna Esposito, Davide Palumbo and Alda Troncone.

Effects of narrative identities and attachment style on the individual’s ability to categorize emotional voices

11:00 - 11:15 Coffee Break
11:15 - 11:30
Evgeniya Hristova, Maurice Grinberg, Veselina Kadreva and Gabriela Peykovska.
Influence Of Induced Mood On Rating Emotional Valence Of Facial Expressions

11:30 - 11:45
Fridanna Maricchiolo, Augusto Gnisci, Gianluca Ficca and Marino Bonaiuto.
Speaker’s Hand Gestures Modulate Receiver’s Attitude, Assessed Through Physiological Variables

11:45 – 12:00
A Multimodal Approach For Parkinson Disease Analysis

12:00 – 12:15
Augusto Gnisci, Antonio Pace and Anastasia Palomba.
Coordination Between Markers, Repairs And Hand Gestures In Political Interviews

12:15 – 12:30
Stephen Gordon, Nicolas Costen and Silvester Czanner.
The Effect Of High And Low Power Body Positions On Decision Making And Risk Estimation

12:30 – 12:45
Olimpia Matarazzo, Marcella Scialla and Ivana Baldassarre.
Are Emotions Reliable Predictors Of Future Behavior? The Case Of Guilt And Other Post-Action Emotions

12:45 – 13:00
Mauro Maldonato and Silvia Dell’Orco.
Making Decision Under Uncertainty: Emotions, Risk And Biases

13:00 – 14:00 Lunch Break
REGULAR SESSION
Chair: Aurelio Uncini

14:00 – 14:15
Raffaele Parisi, Danilo Comminiello, Michele Scarpiniti, Aurelio Uncini
Integration Of Audio And Video Clues For Source Localization By A Robotic Head

14:15 – 14:30
Elisa Capecci, Francesco Carlo Morabito, Maurizio Campolo, Nadia Mamonne, Domenico Labate, Nikola Kasabov
A Feasibility Study Of Using The Neucube Spiking Neural Network Architecture For Modelling Alzheimer's Disease And Mild Cognitive Impairment Eeg Data

14:30 – 14:45
Massimo Panella, Luca Liparulo, Andrea Proietti
Time Series Analysis By Genetic Embedding And Neural Network Regression

14:45 - 15:00
Davide De March, Matteo Borrotti, Vito Capacchione, Debora Slanzi, Lorenzo Podestà And Irene Poli
A Predictive Approach Based On Neural Network Models For Building Automation Systems

15:00 – 15:15
Marco Fagiani, Stefano Squartini, Leonardo Gabrielli, Susanna Spinsante And Francesco Piazza
Domestic Water And Natural Gas Demand Forecasting By Using Heterogeneous Data: A Preliminary Study

15:15 – 15:30
Anas Belahcen, Monica Bianchini And Franco Scarselli
Web Spam Detection Using Graph Neural Network

15:30 – 15:45
Hassan Mahmoud, Francesco Masulli, Marina Resta, Stefano Rovetta and Abdulatif Amr
Hubs and Communities Identification in Financial Networks

15:45 – 16:00
Amedeo Buonanno And Francesco Palmieri
Simulink Implementation Of Belief Propagation In Normal Factor Graphs

16:00 – 16:15 Coffee Break
16:15 – 16:30
Giuseppe Vitello, Conti Vincenzo, Salvatore Vitabile, Filippo Sorbello
An Heuristic Approach For The Training Dataset Selection In Fingerprint Classification Tasks

16:30 – 16:45
Augusto Gnisci, Antonio Pace And Anastasia Palomba
Coordination Between Markers, Repairs And Hand Gestures In Political Interviews

16:45 – 17:00
Nunzio Alberto Borghese, Pierluca Lanzi, Renato Mainetti, Michele Pirovano and Elif Surer
Algorithms Based On Computational Intelligence Based For Autonomous Physical Rehabilitation At Home

17:00 – 17:15
A. Cristini, Mario Salerno, Gianluca Susi
A Continuous-Time Spiking Neural Network Paradigm

17:30 Conclusions
Poster Session

Francesco Castaldo, Francesco Palmieri, Vahid Bastani, Lucio Marcenaro And Carlo Regazzoni
Bayesian Analysis Of Vessels Interactions Using Topology Representing Networks

Luca D’Auria, Antonietta M. Esposito, Zaccaria Petrillo And Agata Siniscalchi
Denoising Magnetotelluric Recordings Using Self-Organizing Maps

Domenico Labate, Fabio La Foresta, Nadia Mammone And Francesco Carlo Morabito
Effects Of Artifacts Rejection On Eeg Complexity In Alzheimer's Disease

Domenico Labate, Fabio La Foresta, Giuseppe Morabito, Isabella Palamara And Francesco Carlo Morabito
Empirical Mode Decomposition For Alzheimer's Disease Diagnosis

Silvio Giove, Luca Farnia
Fuzzy Measures and Goal Programming: An Application to the FEEM Sustainable Composite Indicator

Francesco Camastra, Angelo Ciaramella, Alessio Placitelli And Antonino Staiano
Machine Learning-Based Web Pages Categorization By Semantic Graphs

Stefano Rovetta and Francesco Masulli
Online Spectral Clustering And The Neural Mechanisms Of Concept Formation

Luca Agnello, Carmelo Militello, Cesare Gagliardo And Salvatore Vitabile
Radial Basis Function Interpolation For Referenceless Thermometry Enhancement

Simone Scardapane, Danilo Comminielo, Michele Scarpiniti, Aurelio Uncini
Significance-Based Pruning For Reservoir’s Neurons In Echo State Networks