

CHAIR



Prof. Dr. Philip Broadbridge La Trobe UEniversity, Melbourne, Australia You are cordially invited to participate in the 4th International Electronic Conference on Entropy and Its Applications. The conference will be organized into six sessions, which reflect the inter-disciplinary nature of entropy and its applications:

- A. Statistical Physics (Chaired by: Prof. Antonio M. Scarfone and Prof. Dr. Miguel Rubi)
- **B. Information and Complexity** (Chaired by: Prof. Dr. Raúl Alcaraz Martínez)
- C. Thermodynamics in Materials (Chaired by: Prof. Dr. Leslie Glasser)
 D. Quantum Information and Foundations
- (Chaired by: Prof. Giacomo Mauro D'Ariano and Prof. Dr. Andrei Khrennikov)
 E. Machine Learning (Chaired by: Dr. Dawn E. Holmes and
- Prof. Dr. Alexander Gorban)
- F. Astrophysics and Cosmology (Chaired by: Dr. Michael J. Way)

SCIENTIFIC COMMITTEE

Prof. Anne Humeau-Heurtier (University of Angers, Angers cedex, France)
Dr. Takuya Yamano (Kanagawa University, Kanagawa, Japan)
Prof. Dr. Carlo Cattani (University of Tuscia, Viterbo, Italy)
Dr. Renaldas Renaldas Urniezius (Kaunas University of Technology, Lithuania)
Dr. Robert Niven (The University of New South Wales at ADFA, Canberra, Australia)

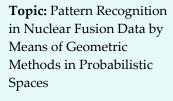
KEYNOTE SPEAKERS



Prof. Dr. Geert Verdoolaege



Prof. Dr. Andrea Puglisi



Topic: Clausius relation for

Active Particles



Dr. Cemal Basaran

Topic: Using Entropy to Unify Mechanics and Thermodynamics



Dr. Joseph Lizier



Dr. Karoline Wiesner



Prof. Mikhail Prokopenko

Topic: Pointwise Information Decomposition Using the Specificity and Ambiguity Lattices

Topic: The role of information in complex systems -- Self-organisation in stem cells and glass formers

Topic: Relating Fisher information and thermodynamic cost of near-equilibrium computation

Prof. Dr. Karsten Keller

Prof. (em.) Ingo Müller Dr. Wolf Weiss

Topic: Theory and Practice of Permutation Entropy

