

Vetrina della Ricerca

DAY 2

Thursday October the 2nd 2025 h 10:00 am - 12:00 am

Moderator ISA Vice-Director Prof. Cesare Biserni



Speaker 1: Roderick John Fensham Professor at University of Queensland and global leader in the fields of plant conservation, woody vegetation dynamics, rare plant

conservation, fire ecology, and grazing ecology He has also become a global expert on spring ecosystems through his work in Australia: - field survey of active and inactive springs; - maintaining a database of springs; - conducting biological survey of springs including discovery of many new species; - working with geologists to resolve hydrogeology of springs; - assessing environmental impacts of mining development on springs; - working with governments and civil servants to establish private and public conservation reserves for springs; - designing a \$350M investment in aquifer restoration to provide maximum benefit for springs; - popularising springs through articles, books and television.

Guest in the Department of Biological, Geological and Environmental Sciences, proposing Professor Cantonati Marco (SSD BIOS-01/B Botanica sistematica).



Speaker 2: Ravi K.Sheth Full Professor at the University of Pennsylvania (UPenn), based in downtown Philadelphia (USA). He is a leading researcher in the field of cosmology and the study of large scale structures of the universe. Also he has developed physical models and statistical methods which are used to constrain cosmological parameters from large scale galaxy and cluster surveys, and have also been applied to the study of dark matter, galaxy formation and evolution, the structure of our Galaxy and the formation of black holes. Moreover, his work had a direct impact on fields related to statistics and mathematics, including combinatorics problems, stochastic processes and Gaussian statistics.

Guest in the Department of Physics and Astronomy, proposing Professor Moscardini Lauro (SSDPHYS-05/A Astrofisica, cosmologia e scienza dello spazio).



Speaker 3: Kumar Dhruv Professor and cluster Head at the School of Health Sciences and Technology, UPES, Dehradun. His research focuses on Prostate, Pancreatic, Brain, Breast, and Head and Neck Cancers, particularly on molecular mechanisms regulating autophagy and apoptosis in cancer stem cells. His laboratory is currently investigating the autophagy-metabolic axis and tumor microenvironment in cancer cells to develop innovative therapies.

Guest in the Department of Pharmacy and Biotechnology, proposing Professor Zuccheri Giampaolo (SSD CHEM-05/A Chimica organica).



Speaker 4: Raphael Dumas, Research Director at University Gustave Eiffel. His research interest is in 3D multi-body modeling of the human musculoskeletal system applied to joint pathologies, postural and gait impairments. currently serves on the board of 3D Analysis of Human Movement (Technical Group of the International Society of Biomechanics) and has served on the boards of the Francophone Societies of Biomechanics and of Motion Analysis for Children and Adults. He has coordinated several international (e.g., French-Taiwanese, FrenchAustralian, French-Italian) and national funded projects and contracts with orthopedic and motion analysis

Guest in the Department of Industrial Engineering, proposing Professor Sancisi Nicola (SSD IIND-02/A Meccanica applicata alle macchine)

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The following presentations will be send to all the participants at the end of the event.



Speaker 5: Jonas Christensen, Associate Professor at Malmo University Research focuses on Social Sciences and Educational Science, with expertise in qualitative methods. Key areas include professional and organizational learning, internationalization in higher education, transnational learning and collaboration, social welfare issues, and the ageing society. A strong emphasis is placed on understanding organizational and professional changes from an Educational Sciences and pedagogical perspective.

Guest in the Department of Education Studies, proposing Professor Luppi Elena (SSD PAED-02/B Pedagogia sperimentale).



Speaker 6: Diego Ribeiro Moreira, Professor Titular Livre at the Federal University of Ceará (UFC), Brazil. His research activity concerns the study of nonlinear elliptic partial differential equations, both in the case of operators in divergence and non-divergence form. In particular, he is interested in the study of free boundary and transmission problems, with elements of contact with harmonic analysis.

Guest in the Department of Mathematics, proposing Professor Ferrari Fausto (SSD MATH-03/A Analisi Matematica).



Speaker 7: Dario Maestripieri Full Professor at The University of Chicago. He is recognized as a leading scientist in the fields of ethology, primatology, evolutionary psychology and anthropology, psychobiology, and socioendocrinology. He has done research on many aspects of human behavior from a comparative, evolutionary, and interdisciplinary perspective. Recently he has also been interested in exploring and integrating the relative contributions of scientific and humanistic disciplines to the generation and transmission of new knowledge about human behavior and the human mind.

Guest in the Department of Psychology, proposing Professor Tonetti Lorenzo (SSD PSIC-01/A Psicologia generale).



Speaker 8: Branko Glisic Full Professor and Chair of the Department of Civil and Environmental Engineering (CEE) at Princeton University. His research interests mainly deal with Structural Health Monitoring (SHM), Smart Structures, and Heritage Structures. His focus is on advanced sensing technologies, universal SHM methods, data analysis & management, and prognostics and decision-making theory; smart kinetic, deployable and adaptable structures; holistic analysis of heritage structures, and engineering and the arts.

Guest in the Department of Civil, Chemical, Enrichment and Materials Engineering, proposing Professor D'altri Antonio Maria (SSD CEAR-06/A Scienza delle costruzioni).

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Speaker 9: Cristian Borocea, Professor in the Department of Computer Science at New Jersey Institute of Technology (NJIT). His research interests include mobile computing, vehicular networks, distributed systems, privacy, and computational advertising.

Guest in the Department of Computer Science and Engineering, proposing Professor Foschini Luca (SSD IINF-05/A Sistemi di elaborazione delle Informazioni).



Speaker 10: Giovanna Micarelli, Full professor of Anthropology at the Pontificia Universidad Javeriana (Bogotá) and invited researcher at the Center for Social Studies, University of Coimbra (Portugal). Her research develops critical insights into contemporary debates on decolonial theory and practice, contributing through a particular focus on indigenous ontoepistemologies and methodologies.

Guest in the Department of History and Cultures, proposing Professor Scardozzi Chiara (SSD SDEA-01/A Discipline demoetnoantropologiche).



Speaker 11: Gesualdo Scutari Full Professor at the School of Industrial Engineering and School of Electrical and Computer Engineering at Purdue University. His primary research interests focus on computational and modeling aspects related to continuous optimization and game theory, with application to statistical learning, signal processing, and communications.

Guest in the Department of the Arts, proposing Professor Notarstefano Giuseppe (IINF-04/A Automatica).