January	28th	29th	30th	31th
8:30 - 9:00	**Opening Ceremony**			
9:00 - 9:45	*"How to quantify information in quantum physics"* **Vlatko Vedral**	*"Information Theoretical Concepts in the study of properties of quantum systems"* **Elvira Romera**	*"Information-theoretical quantities in the thermodynamical transcription of the density functional theory"* **Agnes Nagy**	*"From Electron Density to Information Theoretical Measures to Structural Properties in Atoms and Molecules"* **K.D.Sen**
9:45 - 10:30	*"Information-theoretic approach in density functional theory and its recent applications to chemical problems"* **Shubin Liu**	*"Exact Ansatzes for Quantum Simulations of Many-body Systems"* **David Mazziotti**	*"Dynamical Paths to Densities Optimizing LMC Statistical Measures of Complexity"* **Angel Ricardo Plastino**	*"Unbounded entropy production for repulsive-to-attractive interaction quench in long-range interacting systems"* **Barnali Chakrabarti**
10:30 - 11:05	*"Quantum Information Perspective on the Ground State Problem: What is Electron Correlation?"* **Christian Schilling**	*"Usefulness of quantum entanglement for enhancing precision in frequency estimation"* **Pablo Barberis**	*"Few-electron confined quantum systems: Precise structural and quantum information theoretic measures"* **Jayanta K. Saha**	*"Information Entropy in spatially confined atoms and few-electron harmonic quantum dot within density function formalism"* **Amlan K. Roy**
11:05 - 11:25	Coffee break	Coffee break	Coffee break	Coffee break
11:25 - 12:00	*"Multifractality and chaos in light-matter systems"* **Miguel Bastarrachea**	*"An Information-theoretical Take on Electron-Nuclear Wave Packet Dynamics"* **Peter Schurger**	*"A model of energy transport in photosynthesis"* **Roberto Quezada**	*"External field modified entropic exchange: static vs time dependent fields"* **Vinod Prasad**
12:00 - 12:35	*"Hydrogen atom under spatial and magnetic confinement: Superintegrability, Information Theory, and Neural Networks"* **Adrián Escobar**	*"An Information-Theoretic approach to characterizing concurrent processes and transition regions along the IRC: A 15-year retrospective on chemical reactions"* **Moyocoyani Molina**	*"Probing Quantum-Gravity Interplay with Bose-Einstein Condensates"* **Ivette Fuentes**	*"On the numerical integration of two-particle functions for Pair Entropies of diatomic molecules"* **Manuel Solano**
12:35 - 12:55	Coffee break	Coffee break	Coffee break	Coffee break
12:55 - 13:30	*"Entropy production rate of Quantum Markov Semigroups"* **Jorge Bolaños**	*"Applications of Information Theory to Compact Objects: Configurational Entropy as a Stability Criterion"* **Charalampos Moustakidis**	*"Entanglement Dynamics in an Optomechanical Cavity with a Type-V Qutrit and Two-Mode Field"* **Shihai Dong**	*"Information entropy in confined quantum systems"* **Neetik Mukherjee**
13:30 - 14:15	*"Variational approach to time-dependent systems: Surface tension of quantum droplets"* **Rocío Jaúregui**	*"On information, entropy, and early stone tools"* **Fernando del Río**	*"The resource of Non-stabilizerness: An introduction and application to Quantum Rabi Model"* **Ernesto Benítez**	*"Title"* **Paul Ayers (to be confirmed)**
14:15 - 16:00	Lunch break	Lunch break	Lunch break	Lunch break
16:00 - 16:35	*"Propagators in Information Field Theory"* **Roberto Flores-Moreno**	*"Towards entropic uncertainty relations in non-regular Hilbert spaces"* **Angel García Chung**	*"Kullback-Leibler divergence in Machine Learning: Its relation to cross entropy and application to Boltzmann machines"* **Roberto Bernal**	*"Some generalities of the applications of information theory in chemistry"* **Nelson Flores**
16:35 - 17:10	*"Informational characterization of chemical hypergraphs"* **Humberto Laguna**	*"Information-theoretic concepts to elucidate local and non-local aspects of chemical phenomena"* **Rodolfo Esquivel**	*"Construction and analysis of information measures through Diophantine equations"* **Saúl Salazar**	*"Uncertainties and statistical correlations in quantum systems"* **Robin Sagar**
17:10 - 17:40				**Round table: Future perspectives for UAM**