Conferences Schedule

Tuesday, March 3rd

14:30 – 16:00		Participants reception
16:00 – 16:30		XII J^2IFAM Inauguration
16:30 – 17:20	PL1	Plenary Talk – *Observing Molecules: A perspective through Microwave spectroscopy* **Iker León Ona (Universidad de Valladolid)** Assistant Professor
17:20 – 17:50		Coffee Break
17:50 – 18:30		Session 1
17:50 – 18:10	OC1	*Recent advances on nanofluids based on transition metal chalcogenides for solar application* Paloma Martínez-Merino (University of Cádiz)
18:10 – 18:30	OC2	*Drugs immobilization by click reaction: a way to minimize implant rejection* Julia Sánchez-Bodón (University of the Basque Country UPV/EHU)

Conferences Schedule

Wednesday, March 4th

10:00 – 10:40	IT1	Invited Talk – *Nanofluids based on metal nanoparticles with optimized thermal properties for being used in thermosolar industry* **Roberto Gomez Villarejo (University of Cadiz)** GEFAM 2019 Award to the best PhD Thesis in Atomic and Molecular Physical Chemistry
10:40 – 11:40		Session 02
10:40 – 11:00	OC3	*Vanishing efficiency of speeded-up quantum Otto engines* Ander Toballina (University of the Basque Country UPV/EHU)
11:00 – 11:20	OC4	*Stimuli-responsive hydrogels based on chitosan for controlled drug release of diclofenac sodium salt* Sheila Maiz-Fernández (BCMaterials)
11:20 – 11:40	OC5	*Magnetic phase diagrams for Gaussian Molecules* Xabier Telleria (EHU/DIPC)
11:40 – 12:10		Coffee Break
12:10 – 12:50		Session 03
12:10 – 12:30	OC6	*TorsiFlex: Conformational Search in Flexible Acyclic Molecules* David Ferro-Costas (University of Santiago de Compostela)
12:30 – 12:50	OC7	*Exploring 2-butanol decomposition with computational methods* Anxo Lema-Saavedra (University of Santiago de Compostela)
13:00 – 15:00		Lunch Break
15:00 – 15:40	IT2	Invited Talk – *A case study on heat transport and storage in nanofluids* **Ivan Carrillo-Berdugo (University of Cadiz)** GEFAM 2019 Award to the best journal article by a young researcher in Atomic and Molecular Physical Chemistry
15:40 – 16:20		Session 04
15:40 – 16:00	OC8	*Two interacting polar linear molecules in combined static and laser electric fields* David Mellado-Alcedo (University of Granada)
16:00 – 16:20	OC9	*Tuning the diradical character of chichibabin compounds: effect of π-system length and exocyclic substituents on the electronic structure* Sílvia Escayola (University of Girona)
16:30 – 17:30		Poster Session Cocktail
18:00		Cultural Activities

XII Jornadas de Jóvenes Investigadores en Física Atómica y Molecular

Conferences Schedule

Thursday, March 5th

10:00 – 10:50	PL2	Plenary Talk – *To be confirmed* **Jorge Casanova (University of the Basque Country)** Ikerbasque Researcher
10:50 – 11:30		Session 05
10:50 – 11:10	OC10	*Outstanding Photostable Red-Emitting Laser Dyes for (bio)photonics Applications* Edurne Avellanal-Zaballa (University of the Basque Country UPV/EHU)
11:10 – 11:30	OC11	*Multimodal study of brain stroke* Juan José Gutierrez (University of the Basque Country)
11:30 – 12:00		Coffee Break
12:00 – 13:00		Session 06
12:00 – 12:20	OC12	*Microwave spectrum of acetohydroxamic acid: a glycine isomer* Miguel Sanz-Novo (University of Valladolid)
12:20 – 12:40	OC13	*Gas phase conformational analysis of D-Lyxose based on rotational spectroscopy* Maider Parra (University of the Basque Country UPV/EHU)
12:40 – 13:00	OC14	*The Structural Sing of Sweetness in Artificial Sweetener Dulcin: A Rotational Spectroscopic Study* Gabriela Júarez-López (University of Valladolid)
13:00 – 15:00		Lunch Break
15:00 – 16:00		Session 07
15:00 – 15:20	OC15	*Trapped-ion Fock state preparation by potential deformation* Miguel Angel Simón (University of the Basque Country UPV/EHU)
15:20 – 15:40	OC16	*SHCI method applied to the study of biochemical multireference systems* Pablo Ortega Álvarez (University of Salamanca)
15:40 – 16:00	OC17	*Laser-induced breakdown spectroscopy with laser pulses in the interval between 35 fs-4 ps* Sadia Manzoor (University of Málaga)
21:00		Congress Dinner

10:00 – 10:50	PL3	Plenary Talk – *Science at the Spanish petawatt laser* **Jon Imanol Apiñaniz (CLPU – Centro de Láseres Pulsados, Salamanca)** Scientific Staff at CLPU
10:50 – 11:30		Session 08
10:50 – 11:10	OC18	*Rapid determination of Cu, Mo, Ag, As, Pb and Zn elements in cooper ores by Laser Induced Breakdown Spectroscopy (LIBS)* Marizú Velásquez (University of Málaga)
11:10 – 11:30	OC19	*Performance analysis of MAPbI3 based perovskite solar cells employing diverse charge selective contacts: Simulation study* Yassine Raoui (BCMaterials)
11:30 – 12:20		Coffee Break
12:00 – 12:45		Awards ceremony and XII J^2IFAM Closure