Dust Ice Gas (DIG) Astrochemistry - 2: Icy Dust Workshop

AIAS, Aarhus University - Hybrid mode
InterCat, PRL, Europlanet, IASES
25 June 2024 - 9:00 AM - 5:00 PM (CEST)

Session #1 **9:00 - 10:30**	**Building blocks of life**	
Liv	*Interstellar Catalysis – a route to molecular complexity in space*	InterCat, AU, Denmark
Alfred	*A Route to Amino Acid Formation in the ISM*	InterCat, AU, Denmark
Anita Schneiker	*Cryogenic gastronomy at The Restaurant at the End of the Universe – exploring interstellar serine synthesis from α-glycyl radical and other ingredients*	ELTE ELU, Hungary
Ragav	*Converting one amino acid to the other on the icy moons of Jupiter*	PRL, India
Cornelia Meinert	*From Interstellar Ices to Solar System Objects: The Formation of Chiral Building Blocks of Life*	CNRS, UNSA, France
Session #2 **11:00 - 12:30**	**Ice-light interactions**	
Y J Wu	*Potential Carriers of Extended Red Emission and Blue Luminescence: Graphene Exposure to VUV Light*	NSRRC, Taiwan
Alessandra	*Condensed O2 measurements in the visible in support of ground- and space-based observations*	IAPS-INAF, Italy
Alejandra	*Spectroscopic Characterisation of C2H4O2 and its Isomers upon Electron Irradiation*	ICMM, CSIC, Spain
Ann Mary	*Formation pathway of Dimethyl Ether in interstellar ices - Insights from VUV spectroscopy and Electron irradiation studies*	InterCat, AU, Denmark
Jin Zhang	*IR and UV spectroscopy investigation of ethanolamine ice under astrophysical condition*	EECS, QMUL, UK
Session #3 **1:30 - 3:00**	**Dust grain analogues, nanoparticles, nanostructure**	
Gonzalo	*Carbonaceous cosmic dust: formation in C-rich ABG stars and UV-processing in the ISM*	ESISNA, CSIC, Spain
Cornelia Jager	*Laboratory carbon grains as interstellar dust analogs*	MPIA / FSUJ, Germany
Arijit	*Mote of cosmic dust suspended in shockwaves*	PRL, India
Pavithraa	*The life and fate of buckybowls in the photodissociation regions*	LU, Netherlands
Surendra	*Synthesized Complex Structure in Extreme Conditions of Impact*	IIT-Kanpur, India
Session #4 **3:30 - 5:00**	**Ice and dust processing**	
Will Rocha	*Friends, not foes - using JWST to understand ice and dust in protostars*	LU, Netherlands
Duncan	*Ion-Mediated Sulphur Chemistry in Space: Novel Results from the Laboratory*	Atomki, Hungary
Zu Kanuchova	*Ion implantation in Astrophysical Studies*	AISAS, Slovakia
Daniele Fulvio	*Energetic processing of ices/dust complexes of astrophysical interest*	INAF, Italy
Bijesh Malla	*Photochemistry of Molecular Ices Under Ultrahigh Vacuum and Cryogenic Conditions*	IIT-Madras, India