

2° Congresso Nazionale di Astrochimica (Proto-)Planetaria			
<b>Monday 11/09</b>			
13.00	13.30		Registration
13.30	13.50	Stavro & Davide	Welcome
13.50	14.00	F. Fiore	Welcome from the Director of the Astronomical Observatory of Trieste
<b>From ISM to Star Forming Regions</b>			
14.00	14.30	S. Viti	Astrochemistry in the extragalactic interstellar medium
14.30	15.00	L. Colzi	An astrochemical journey across the Galaxy
15.00	15.20	V. M. Rivilla	New molecular precursors of the RNA-world in the interstellar medium: the G+0.693 astrochemical mine
15.20	15.40	E. Redaelli	Nitrogen fractionations in low-mass star forming regions: insights on nitrogen chemistry
15.40	16.00	Chi Yan Law	Uncovering the radial gradient of $^{12}\text{C}/^{13}\text{C}$ in the Milky Way with ALMA
16.00	16.30		Coffee break
16.30	16.50	M. De Simone	Revealing the chemical history of young protostars at low frequency
16.50	17.10	M. T. Beltran Sorolla	The GUAPOS project: G31.41+0.31 Unbiased ALMA sPectral Observational Survey
17.10	17.30	M. Padovani	Why care for cosmic rays in astrochemical studies?
17.30	17.50	G. Sabatini	Impact of Protostellar Feedback on the Evolution of the R Coronae Australis Stellar Cluster
<b>Protostars and disks Chemistry</b>			
17.50	18.20	E. Bianchi	Molecular complexity in Solar-type protostars
18.20	19.00		Poster Session - Cocktail di Benvenuto
<b>Tuesday 12/09</b>			
9.00	9.30	G. Perotti	Inner Disk Chemistry in the JWST era
9.30	9.50	C. Codella	The ALMA Large Program FAUST on astrochemistry of forming Solar Systems: living ALMA, preparing SKA
9.50	10.10	Duy Tung NGo	Synthetic Observations and Modelling of Planet-forming Disk Population Simulations
10.10	10.30	L. Podio	Formaldehyde Deuteration In The Young Disk of IRS 63: The Astrochemical Link To The Origin Of The Solar System
10.30	10.50	L. Testi	Planet formation and the cycle of matter through the disks
10.50	11.20		Coffee break
11.20	11.40	J. Frediani	Chemical segregation around the IRAS4A2 protostar at planet-forming scale
11.40	12.00	A. Garufi	The linked evolution of gas and dust in planet-forming disks
12.00	12.20	L. Cacciapuoti	Protostellar chimney flues: are protostellar outflows lifting millimeter dust grains from discs to envelopes?
12.20	13.00	E. Schisano/L. Pino	Discussion: From disk chemistry to planetary atmospheres
13.00	14.45		Lunch break
<b>Laboratory astrochemistry</b>			
14.45	15.15	R. Brunetto	Ingredients and early evolution of some planetesimals in the outer Solar System
15.15	15.45	G. Poggiali	"Dirty" rocky surfaces: a review on how minerals can preserve, enhance or destroy organic prebiotic molecules and affect chemical complexity
15.45	16.05	L. Bizzocchi	Laboratory studies of unsaturated carbon chains produced by pyrolysis
16.05	16.25	F. Cozzolino	Evolution of organics in the interstellar medium: the role of atomic
16.25	17.00		Coffee break
17.00	17.20	P. Sundararajan	Photofragmentation of Buckybowls – Corannulene ( $\text{C}_{20}\text{H}_{10}$ ) and Sumanene ( $\text{C}_{21}\text{H}_{12}$ ) cations – and its Astrophysical Implications
17.20	17.40	D. Fulvio	Energetic processing of ices, dust, and ices/dust complexes of astrophysical interest
17.40	18.00	A. Ciaravella	Following the formation of protoplanetary ices: a laboratory study
18.00	18.20	R. Urso	Laboratory experiments to interpret space mission data and astronomical observations
18.20	18.40	M. Accolla	Stardust machine: a foundry of cosmic dust analogues
19.45			Social dinner "La Lanterna"
<b>Wednesday 13/09</b>			
<b>Laboratory and Computational Astrochemistry</b>			
9.00	9.30	S. Ioppolo	Laboratory Ice Astrochemistry at Larger Scale Facilities
9.30	10.00	D. Campisi	Super-Oxygenation of Naphthalene: The break-Down Reaction
10.00	10.20	S. Alessandrini	Gas-phase interstellar reactivity via computational methodologies
10.20	10.40	N. Balucani	Gas-phase formation route of glycine in the interstellar medium
10.40	11.10		Coffee break
11.10	11.30	T. Grassi	Time-dependent thermochemical modelling of wind-launching disk regions
11.30	11.50	F. Tonolo	Collisional excitation of $\text{HCO}^+$ and $\text{PO}^+$ ions
11.50	12.10	J. Perrero	Ethanol Formation in the Interstellar Medium: A Non-Energetic Pathway Involving CCH and Water Ices
12.10	13.00	G. Umana & L. Testi	Discussion: Astrochemistry with the SKA
13.00	14.45		Lunch break
<b>Planets and planetary systems</b>			
14.45	15.15	G. Guilluy	Exoplanetary Atmospheres
15.15	15.45	D. Modirrousta-Galiari	Windows Into Other Worlds: A Review of Exoplanet Atmospheres
15.45	16.05	R. Orosei	Mars habitability: a focus on water
16.05	16.25	M. Lippi	A systematic comparison between molecular abundances in comets and protoplanetary disks
16.25	17.00		Coffee break
17.00	17.20	S. Stefani	Preliminary results on the $\text{H}_2\text{-H}_2$ and $\text{H}_2\text{-He}$ experimental collision induced absorption coefficients relevant for the Jupiter atmosphere
17.20	18.00	B. Negri	Discussion: Ongoing and future space mission related to 'Exploration of the Solar System' and 'Exoplanetary atmosphere'
18.30	19.30	N. Balucani	Conferenza Pubblica: "Astrochimica, una finestra sull'Universo"
<b>Thursday 14/09</b>			
9.00	9.20	L. Pino	The climate of ultra-hot Jupiter KELT-9b revealed with a new approach to high spectral resolution phase curves
9.20	9.40	A. Ruggieri	Architecture diversity of planetary systems in a binary with different chemical composition
9.40	10.00	M. Brogi	High-resolution spectroscopy of ultra-hot Jupiters and the synergy with JWST
10.00	10.20	S. Desidera	Understanding the evolution of planetary systems with GAPS
10.20	10.40	R. Spinelli	The ultraviolet habitable zone of exoplanets
10.40	11.10		Coffee break
11.10	11.30	R. Gratton	New perspectives for the derivation of the frequency and physical properties of giant planets close to the ice snow line
11.30	11.50	A. Jimenez-Escobar	Electron discharge chemistry in exoplanetary $\text{CO}_2$ -rich atmospheres
11.50	13.00	ALL	Final discussion and concluding remarks