10th International Workshop on Radiation of High Temperature Gases for Space Missions

Monday 9 September 2024

Radiation modeling and simulation - Oxford e-Research Centre (09:25 - 09:50)

time	[id] title	presenter	
09:25	[185] Thermochemical Characterisation of Shock Heated Flows	GLENN, Alex MCGILVRAY, Matthew	

Radiation modeling and simulation - Oxford e-Research Centre (14:00 - 15:40)

time	[id] title	presenter
14:00	[163] Sensor-based Radiation Signature Computations in Hypersonic Flow using a Reverse Photon Monte Carlo Method	Prof. MUNDT, Christian
14:25	[159] Kinetic Modeling and Impact of Methane on Radiative Heating for Ice and Gas Giant Entry	CARROLL, Alex
	[162] Aerothermodynamic, material response and radiation modelling for the detection of demising spacecraft during re-entry	GARBACZ, Catarina
15:15	[183] A reinvestigation of the C\$_2\$ Deslandres-d'Azambuja radiative system	LINO DA SILVA, Mario

Tuesday 10 September 2024

Radiation modeling and simulation - Oxford e-Research Centre (11:10 - 12:30)

time [id] title	presenter
11:10 [182] Radiative Heating for Ice Giant Entries	LINO DA SILVA, Mario
11:40 [137] Characterization of high temperature N2/CH4 emission	MERHABEN, Cyrine
12:05 [170] Through-Model Fibre Optic Emission Spectroscopy for Studying Planetary Entry Radiative Heat Flux	JAMES, Chris

Radiation modeling and simulation - Oxford e-Research Centre (13:55 - 14:50)

time [id] title		presenter
14:00	[189] Electron Number Density Estimation for High-Speed Mars Entry Condition	LIU, Yu
	[176] Calibration of Rate Parameters Against Shock Tube Emission Spectroscopy	HANSSON, Kaelan

Radiation modeling and simulation - Oxford e-Research Centre (16:05 - 16:30)

time [id] title	presenter
16:05 [179] Shock Curvature Effects in Shock Tube Data	CLARKE, Justin

Wednesday 11 September 2024

Radiation modeling and simulation - Oxford e-Research Centre (11:50 - 12:40)

time [id] title	presenter
11:50 [177] Investigation of Shock Speed Variation Effects on Expanding Flow Experiments in the NASA Electric Arc Shock Tube	GANGA, Kanishk

Thursday 12 September 2024

$\underline{Radiation\ modeling\ and\ simulation:\ Missions}\ -\ Oxford\ e-Research\ Centre\ (14:00\ -\ 15:15)$

time	[id] title	presenter
14:00	[178] Electron Number Density Measurement in the T6 Stalker Tunnel utilising Langmuir Probes	NICK, Nathalie
	[145] MITIGATING DRAGONFLY TPS DESIGN RISKS THROUGH IMPROVED AEROTHERMAL ENVIRONMENTS	Dr BRANDIS, Aaron
14:50	[169] Ultra-Highspeed Optical Emission Spectroscopy: Benefits and Difficulties	LU, Nathan