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

Monday 9 September 2024

State to state and Collisional Radiative Modelling - Oxford e-Research Centre (09:50 - 10:25)

time	[id] title	presenter
09:50	[139] Ab Initio Electronic Structure Calculations of CNN for CN Excitation Studies	GEISTFELD, Eric

State to state and Collisional Radiative Modelling - Oxford e-Research Centre (11:00 - 12:30)

time	[id] title	presenter
11:00	[136] State-to-State investigation of hypersonic high-enthalpy nitrogen flows	BONELLI, Francesco
11:25	[148] Electronic State-to-State Modelling of a Recombining N2/Argon Plasma and Comparisons with Experiments	DUBUET, Ulysse
11:50	[155] Collisional-Radiative Modeling of Air Plasma Generation at Suborbital Hypersonic Velocities	AIKEN, Timothy

Thursday 12 September 2024

State to state and Collisional Radiative Modelling - Oxford e-Research Centre (09:00 - 11:00)

time	[id] title	presenter
09:00	[153] Multi-temperature model for giant planet atmospheres	COLONNA, Gianpiero
09:25	[161] Thermodynamics and transport properties for the characterization of ice giant entry conditions	LARICCHIUTA, Annarita
09:50	[166] Comparative assessment of state-to-state and macroscopic multi-temperature modeling for atmospheric re-entry conditions on ice giants	Dr FOSSATI, Marco
10:15	[174] Simplifying Chemical Kinetics in Hypersonics Non-Equilibrium Flows for Earth Re-entry	RAPISARDA, Claudio