



# 8th International Workshop on Radiation of High Temperature Gases for Space Missions

## Monday, 25 March 2019

### Collisional Radiative Modelling (14:30 - 17:30)

-Conveners: Aaron Brandis

time	[id] title	presenter
14:30	[35] Modeling of Laser Induced Breakdown in gases	Dr MUNAFO, Alessandro
15:00	[70] LAGRANGIAN DIFFUSIVE REACTOR FOR DETAILED THERMOCHEMICAL COMPUTATIONS OF PLASMA FLOWS	MAGIN, Thierry
15:30	Coffee Break	
16:00	[66] CDSD-vib: A vibrationally specific database refitted from ro-vibrational specific data	Mr VARGAS, Joao
16:30	[32] Modeling the Contribution of Rotation to Ro-Vibrational Non-Equilibrium Kinetics	Mr VENTURI, Simone
17:00	[48] Simulation of electronic excitation in transitional atmospheric entry flows.	AMOROSETTI, Julien

# Wednesday, 27 March 2019

## Collisional Radiative Modelling (16:30 - 17:30)

-Conveners: **Thierry Magin**

time	[id] title	presenter
16:30	[41] NOVEL APPROACH FOR MODELING NON-EQUILIBRIUM KINETICS AND RADIATION FOR CO2 WAKE FLOWS	SAHAI, Amal
17:00	[67] STELLAR CO2: A database for vibrationally-specific excitation and dissociation rates for Carbon Dioxide	Mr VARGAS, Joao