[02.1 – Aerodynamics – CFD Methods and Validation]

2.8 _ Hypersonic Aerodynamics

Date	28 September 2016 (Wednesday)
Time	16:00–18:00
Place	Track 2 (#102)
	Session Chair: L. Dala

2.8.1	**16:00–16:30**	[2016_0549] NUMERICAL SIMULATION OF MIXING IN AN INLET-FUELED HYPERSONIC AIR-BREATHING PROPULSION J.W. Kim[1], O.J. Kwon[1]; [1]Korea Advanced Institute of Science and Technology, South Korea
2.8.2	**16:30–17:00**	[2016_0386] AEROTHERMODYNAMICS CHARACTERISTICS OF A SPACE PROBE IN THE MARTIAN ATMOSPHERE I.V. Egorov[1], N.V. Palchekovskaya[1], M.A. Pugach[1]; [1]TsAGI, Russia
2.8.3	**17:00–17:30**	[2016_0499] A MESHLESS METHOD FOR SIMULATION OF HYPERSONIC VISCOUS FLOWS J.Y. Huh[1], J.S. Rhee[1], K.H. Kim[1], S.Y. Jung, Agency for Defense Development, South Korea; [1]Seoul National University, South Korea
2.8.4	**17:30–18:00**	[2016_0424] ON THE AERODYNAMIC ANALYSIS OF ORION SPACECRAFT T. Wan, Tamkang Univ., Taiwan