

SYMPOSIUM N. 7

PLANETARY EXPLORATION

Chaired by Prof. Luciano Jess

Dipartimento di Ingegneria Meccanica ed Aerospaziale

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Paper N. 1 Luciano Jess - **DEEP SPACE NAVIGATION - PRESENT AND FUTURE**

Paper N. 2 G. Cascioli, A. Genova, L. Iess - **IMPROVING THE KNOWLEDGE OF SOLAR SYSTEM DYNAMICS THROUGH A COMBINED ANALYSIS OF PLANETARY MISSIONS**

Paper N. 3 Daniele Mortari - **THE THEORY OF CONNECTIONS: CURRENT SUMMARY**

Paper N. 4 Virginia Notaro, John W Armstrong, Sami W Asmar, Luciano Iess - **THE TIME-DELAY MECHANICAL NOISE CANCELLATION TECHNIQUE**

Paper N. 5 G. Cataldi, S. Marcuccio - **A 2-D TRAJECTORY DESIGN ALGORITHM FOR MULTIPLE ASTEROID FLY BY MISSIONS**

Paper N. 6 Pratihtha Rawat - **CHARACTERIZATION AND DETECTION OF EXOPLANETS – SIGNIFICANCE METHODOLOGIES AND DEVELOPMENTS**

Paper N. 7 R. Volpe, M. Sabatini, G.B. Palmerini, D.M. Portela - **TESTING AND VALIDATION OF AN IMAGE-BASED, POSE AND SHAPE RECONSTRUCTION ALGORITHM FOR DIDYMOS MISSION**

Paper N. 8 Antonio Genova, Daniele Durante, Virginia Notaro - **A PRELIMINARY MISSION DESIGN OF A PAIR OF SPACECRAFT TO INVESTIGATE THE MARTIAN CLIMATE AND INTERIOR**

Paper N. 9 L. Pollice, E. Del Vecchio, M. Fiore, A. Lazzaro, F. Petricca, A. Valeriani, P. Gaudenzi - **EXPERIENCING A CONCURRENT ENGINEERING ENVIRONMENT FOR THE PRELIMINARY DESIGN OF A MISSION TO TITAN**

Paper N. 10 A. Olivieri, L. Bruzzone, Jeff Plaut, F. Bovolo, R. Croci, M. Nati, F. Richichi, Raffaello Paolo Ripponi - **RADAR SOUNDING: FROM MARS TO JUPITER**