

INVESTIGATION TRACTION SYSTEM DEVELOPMENT FOR LUNAR MOBILITY – PART 2 LA SUITE...

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With the initiation of a planetary mobility program at the Canadian Space Agency, it became important to address the development of some capacity for the development and investigation of vehicle traction systems. Neptec Design Group, through the Canadian Space Agency's Partnership Support Program and the NSERC CRD program, initiated a study on traction system development with the goal to define a methodology for the design of traction systems for lunar mobility. An initial overview of wheel development was presented at the PTMSS/SSR conference in 2010. In this paper, an overview of traction system development will be made followed by a focus on the development and field testing results of the particulate filled chainmail "iRings" traction system.