



T48.1 - Planetary Geoscience *Date* **Monday, 29 August 2016** *Time* **14:00** *to* **15:30**
Chair *Room* **Westin - Sir Francis Drake**

Times		Paper # Title	Speaker	
14:00	14:30	2446 The new early Mars: implications for geodynamics, geology and climate	Dr. David Baratoux	Keynote
14:30	14:45	2389 What are wrinkle ridges telling us about the sub-surface of Mars?	Mrs. Veronique Ansan	
14:45	15:00	5002 Processes producing rock fragments in a hyper-arid, frigid and windy environment, the interior of Gale Crater, Mars	Dr. Bernard Hallet	
15:00	15:15	1274 Qaidam Basin, NE Tibetan Plateau: A new Mars analogue site	Prof. Long Xiao	

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16:00	16:15	182 Planetary and astrobiological significance of Canary Islands (Spain): review, state-of-the-art and future developments	Prof. Dr. Jesús Martínez-Frías
16:15	16:30	4708 A High Resolution Study of Micro-alteration and Organic Carbon in Yamato 000593: Exploring Subsurface Impact Processes on Mars	Dr. Nicola McLoughlin
16:30	16:45	2886 Asteroid 4Vesta's surface composition and geology	Dr. Katrin Stephan
16:45	17:00	2713 Impact crater frequencies on planetary surfaces as a stratigraphic tool: application to Jupiter's largest satellite Ganymede	Dr. Roland Wagner
17:00	17:15	2721 Differentiation models of Ceres: Delayed water separation and thick crust	Dr. Wladimir O. Neumann
17:15	17:30	180 The Anthropogenic Metallogenic Principle	Prof. Morris Viljoen

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	1788 How fast were huge landslides in Valles Marineris (Mars)?	Prof. Francesca Bozzano
	3467 Significance on microstructures and morphochemistry of schreibersite from Agoudal iron meteorite (IIAB), one of the latest find of Morocco	Dr. Dwijesh Ray
	3782 Shock petrography of the target rocks and impactites from the M4 Drillcore, Morokweng Impact Structure, South Africa	Mrs. S'lindile Wela
	2403 Chemistry of Conglomerates analyzed by Curiosity at Gale crater, Mars	Dr. Nicolas Mangold
	4988 Vredefort Impact Structure: larger than previously thought?	Mr. Daniel Connelly
	555 Does Astrobiology require an astrobioethical approach?	Prof. Jesús Martínez-Frías

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08:00	08:30	4852 Review of Criteria for the Identification of Impact Structures on Earth	Prof. Christian Koeberl	Keynote
08:30	08:45	2445 Shatter cones: Nature and Genesis	Dr. David Baratoux	
08:45	09:00	3784 Systematic characterisation of target and impactite lithologies in the M4 drillcore, Morokweng impact structure, South Africa	Mrs. S'lindile Wela	
09:00	09:15	2948 3D Volume Rendering Technique Reveals a Possible New Impact Structure within the Orange Basin, Offshore South Africa	Mr. Ahmed Isiaka	
09:15	09:30	142 Dynamics of Vredefort: Evidence for late emplacement of granophyre	Dr. Matthew Huber	
09:30	09:45	1683 Effect of a Quaternary Meteorite Impact in Indo-China on the Surface Sedimentary Record	Prof. Paul Carling	
09:45	10:00	1602 Polymetallic and Nitrogen Carbide Debris in Ferruginous Palaeosol from the Libyan Desert Glass Area, SW Egypt: Further Evidence of a Cometary Origin for the Diamond-bearing Hypatia Stone	Dr. Marco Achille Giacomo Andreoli	

Times		Paper # Title	Speaker	
10:30	11:00	3262 Meteorites from Morocco: an important implication in Meteoritics and Planetary Sciences improvement	Dr. Hasnaa Chennaoui	Keynote
11:00	11:15	2810 Melt textures produced by impact events and compositional variations in L6-chondrite (Putinga)	Mrs. Renata Brandelli Schaan	
11:15	11:30	2730 Differentiation of planetesimals and Hf-W model ages of iron meteorites	Dr. Wladimir Neumann	
11:30	11:45	5082 Shock metamorphic features of olivine, orthopyroxene, amphibole, and plagioclase in phlogopite-bearing ultramafic-mafic inclusions in Sublayer, Sudbury Igneous Complex, Sudbury, Canada	Ms. Yujian Wang Dr. Carl Michael Leshner	
11:45	12:00	421 Raman spectroscopic signature of shock features in chondritic meteorites and its cosmogenic implications	DR ARINDAM DUTTA	