



T39.7 - Stromatolites through time: archives of microbe-sediment interaction *Date* **Wednesday, 31 August 2016** *Time* **08:00** *to* **10:00**
Chair *Room* **Westin - Sir Francis Drake**

Times		Paper # Title	Speaker	
08:00	08:30	3889 Morphological and mineralogical biosignatures of anoxygenic photosynthetic benthic microbial communities	Dr. Tanja Bosak	Keynote
08:30	08:45	1594 Geobiology of an early Archean microbial mat facies (Strelley Pool Formation, Western Australia)	Dr. Jan-Peter Duda	
08:45	09:00	3387 Preservation of life across ocean anoxic events	Prof. KLITI GRICE	
09:00	09:15	4880 Growth, preservation, and biological implications of cusped microbial forms: Mesoproterozoic Dismal Lakes Group, Arctic Canada	Dr. Linda Kah	
09:15	09:30	4673 High-resolution trace metal analysis of a stromatolite deposited during the end-Triassic extinction event.	Dr. Victoria Petryshyn	
09:30	10:00	1488 The effects of sedimentation on modern microbial mats in Antarctic lakes	Dr. Dawn Sumner	Keynote

Times	Paper # Title	Speaker
	5025 Could environmental conditions play important role in carbonate facies formation? A reappraisal based on new bio-geochemical approach in modern microbialites from Japan.	Mr. Rafael França Mattos
	643 Large stromatolites around the K-P boundary in northern Patagonia, Argentina	Dr. Beatriz Aguirre-Urreta
	5252 The molybdenum isotope composition of modern and ancient stromatolites	Ms. Marie Thoby
	4857 Geochemical and mineralogical microbial signatures recorded within the condensed deposits of the Middle-Upper Jurassic transition on the Romanian territory	dr. Lucian Petrescu
	5012 Petrophysical and Geochemical Variations Related to Stromatolite Dissolution	Sr. João Victor D. Alcantara
	1015 Genesis of the Moonmilk deposits at Sahastradhara cave, India: Some geochemical, mineralogical and microbiological observations	Professor Ramanathan Baskar
	4134 New occurrences of Permian stromatolites near Purros and Orupembe, Kunene Region, NW Namibia	Ms. Aimée Barroso
	2853 Unusual very positive enrichment of ^{13}C in carbonate sediments deposited in modern hypersaline environment, Lagoa Salgada, Brazil: Indicator of salinity controlled metabolic processes	Dr. Crisogono Vasconcelos
	3190 Microbialite development in Quaternary reefs : the nature of the problem	Dr. Gilbert Camoin
	2578 Daily lamination formed by sulfur oxidizing bacteria and chloroflexus in a hot spring stromatolite	Dr. Tomoyo Okumura
	4843 Textural and geochemical characteristics, and process of formation, of ooids in the Mesoarchaeon Pongola Supergroup, South Africa	Professor Axel Hofmann
	1071 Discovery of a new phosphorite ore-bearing strata and stromatolite phosphorites of Dengying Formation of Late Ediacaran in Guizhou Province, SW China	Dr. Haili Ren