

January 16th 2010 – List of Authors

**SEPM Field Conference on Microbial Mats in siliciclastic Deposits
(Archean to Today)**

Convenors: Nora Noffke & Henry Chafetz

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Cyanobacteria mats in the sandy soils in the east coast of India and their ecophysiological implications.

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Unusual hydrodynamical behaviour of living oncolites, northern Kuwait

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Morphologically distinct ferromanganese stromatolites in lacustrine sediments from the headwaters of the Connecticut River, New Hampshire USA:
Promising evidence for microbial activity

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Sedimentary features associated with mats of chemotrophic sulfur bacteria

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Microbial sedimentary structures in some distinct siliciclastic depositional systems of different ages from Brazil

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Deciphering the Cambrian Substrate Revolution

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The trace-fossil record of organism-matground interactions in space and time

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Bioturbation depth and microbially induced sedimentary structures in the Cambrian and Silurian of Sweden

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Mats of cyanobacteria and other phototrophs in silicate-rich hot springs of Yellowstone Park.

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Microbial mats associated to travertine deposits in the Baño San Ignacio mound spring, Linares, Nuevo Leon

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Mat-induced sedimentary structures in Palaeoproterozoic Gulcheru Formation, Cuddapah basin, India: Implications for tidal-flat sedimentation

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Preservation of recent footprints in an estuarine tidal-flat with development of microbial mats: implications for the analysis of fossil tracks

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Molecular biodiversity study of cyanobacterial mats associated to thermomineral springs from western plain of Romania

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The Preservationist Microbe Comes of Age

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Microbial Mats in Modern Environments: Portals to Understanding Precipitation

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Modern microbially-induced sedimentary structures in a peritidal environment – northern Kuwait

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Paleoenvironments Recorded by Earth's Earliest Terrigenous Sedimentary Rocks: Evidence from the Barberton Greenstone Belt, South Africa and the Jack Hills Belt, Australia.

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Microbilites from the Moroccan Sahara at the base of the Meski Plateau

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Signatures of microbial mats in metalliferous Kupferschiefer deposits (Upper Permian, Zechstein) of SW Poland

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Biogenic fabrics in metalliferous Weissliegende deposits (Upper Permian, Zechstein) of SW Poland

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The role of microbial mats and organic matter in early diagenesis of Ediacaran siliciclastic sediment

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Experimental microbial sedimentology: Producing primary structures in sand

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Microbial mats in Lower Triassic siliciclastic playa environment (Middle Buntsandstein, North Sea)

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Microbial mats and stromatolites in the Late Ordovician Eureka Quartzite

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Microbial mat-related structures in Quaternary Mn-oxide and barite deposit, Cape Vani, Milos, Greece

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Degradation spectra of Early Silurian coccoid cyanobacterial mats: Significance for identifying traces of oldest life

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Microbial biofilms and the preservation of the Ediacara biota

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Kinneyia Microbial Mat Structures from the Cenomanian (Cretaceous) of West Texas.

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Microbially induced sedimentary structures in the Lower Old Red Sandstone, South Wales, UK: indicators of an early terrestrial trophic structure?

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Microbially-induced sandcracks in a Tonian siliciclastic foreshore setting (Rehoboth, Namibia).

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Facies control on wrinkle structure development: Examples from the Lower Cambrian and Lower Triassic

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The interaction between Proterozoic atmosphere, litho-sphere and biosphere; aeolian systems in Singhbhum Crustal Province, eastern India

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Secular changes in seawater trace metal chemistry recorded in sulfides preserved in Precambrian banded iron-formations and stromatolites

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The geophysical effects of Enteromorpha mats on siliciclastic beach sediments

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Evidence of microbial mats in ancient gondwana glacial freshwater lakes

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Organosedimentary structures of Archean age in a pre-impact high-grade rock within the Dhala impact structure, central India

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Fossil bacterial cells in anoxic Early Miocene shales – synsedimentary bacterial communities or postsedimentary invaders?

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Morphology and composition in tropical intertidal and supratidal microbial mats, moorea, french polynesia

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Criteria for distinguishing microbial mats and earths

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Understanding the morphogenesis of early Archean stromatolites

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Wrinkles, Dimples, and Steps - Sedimentary Features Produced by Extracellular Polymers in Non-filamentous Biofilms

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A preserved Late Cretaceous biological soil crust in the capping sandstone member, Wahweap Formation, Grand Staircase-Escalante National Monument: Paleoclimate implications

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Evidence for Life on Land ~1100 Ma Ago

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Ecological diversity of microbially induced sedimentary structures (MISS) in the Mesoproterozoic North China Platform

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Flat laminated microbial communities and the sedimentary environment

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Microfossils from nonmarine siliciclastic mats from the late Mesoproterozoic Torridonian Sequence, NW Scotland

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Sandballs from the Dahongyu Formation (*ca* 1.65Ga) of the North China Platform: Refilled gas dome origin in a foreshore environment

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Evidence of microbial activity on early Tertiary sediments, Andes foothills, Argentina

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Living to Lithified: Microbial Preservation Potentials in Yellowstone National Park

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Evidence for the First Emergence of Metazoan-Microbial Reef Consortia