23 JULY 2020

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| ASAP Astrobiology Webinar Series |
| 03:30 UTC | 23 JULY | ONLINE  **ASTROBIOLOGY THROUGH THE LENS OF GEOMICROBIOLOGY.**  SPEAKER: Dr. Maggie C.Y. Lau Vetter, Researcher/Professor, Institute of Deep-sea Science and Engineering, Chinese Academy of Sciences (IDSSE, CAS), China.  ABSTRACT: Both astrobiology and geomicrobiology are intrinsically interdisciplinary research fields that integrate inputs from several disciplines to address a problem. This talk aims to highlight research studies of microorganisms in extreme ecosystems, and describe the links of these terrestrial analogs to the question of life on other planetary bodies. Drawing examples from her own research and the published work of others, you will hear results that range from biodiversity, ecology, and evolution, to metabolism of the inhabitants found in geothermal springs, hyper-arid regions, permafrost-affected areas and the deep subsurface. In addition, a brief overview of research activities and resources at IDSSE, CAS will be given to foster potential collaborations. The talk will also touch on the community of astrobiologists in China, and conclude by sharing some challenges of entering into astrobiology and sharing some hopes for the future. |