



3rd SPACE CHEMISTRY SYMPOSIUM: CHEMISTRY IN SPACE: PAST, PRESENT & FUTURE

256th ACS NATIONAL MEETING & EXPOSITION,
AUGUST 22nd 2018, BOSTON, MA, USA

SPONSORING COMMITTEE: Younger Chemists Committee

SPONSORING DIVISION: Division of Analytical Chemistry

SESSION: Chemistry in Space: Past, Present & Future



The Flow Chemistry Society is proud to announce the 3rd Space Chemistry Symposium

CHEMISTRY IN SPACE: PAST, PRESENT & FUTURE

Do not miss your chance to listen to 7 lectures performed by reputable, internationally renowned scientists.

The topics will cover a wide range of pioneering chemistry technologies from space perspectives, including flow chemistry experiments on board the International Space Station, conducting research in space remotely from Earth, thermal insulation solutions and many more novel trends in chemistry.

**ON 22nd AUGUST,
BOSTON, MA, USA
AS PART OF THE 256th
ACS NATIONAL
MEETING & EXPOSITION**

This symposium is the continuation of the remarkably successful 1st and 2nd Symposiums which were held in 2017 at the 253rd and 254th American Chemical Society meetings in San Francisco and Washington D.C., sponsored by the ACS Younger Chemists Committee and the Flow Chemistry Society
C&EN referred to the Space Chemistry project as the key element to supplying materials and medicines during extraterrestrial journeys

[E. K. Wilson, Chemistry's role in human space travel, C&EN, 2017 - Vol. 95 Issue 18, pp. 20-21].

The symposium will be followed by the

“Next Generation Instrumentation & Measurement in Space Exploration”

symposium on August 23rd, Wednesday afternoon
organized by the Division of Analytical Chemistry.

This day will be a focal point for meeting
Space Chemistry Consortia members and newcomers.



Presiders:

Ferenc Darvas

Roland Hirsch

Attila Pavlath

ACS Fall National Meeting, August 19-23, 2018, Boston, US

Presentations: August 22, 2018

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Timetable	Speaker	Affiliation	Title of Talk
8:30 - 8:35	Attila Pavlath	USDA	Introduction
8:35 - 8:55	Guy Samburski	SpacePharma SA	Experiences and challenges with remote controlled chemical instruments in orbit
8:55 - 9:15	Andrea Adamo	Zaiput Flow Technologies	Establishing the basis for continuous liquid-liquid separation and extraction in space
9:15 - 9:35	Dezső Horváth	University of Szeged	Marangoni convection at a propagating reactive interface in microgravity
9:35 - 9:55	Stefan Loebbecke	Fraunhofer Institute for Chemical Technology	On the Perspectives of Flow Processes for Space Chemistry
9:55 - 10:15	Break		
10:15 - 10:35	Enikő Manek/ Richard Jones	InnoStudio Inc.	Using nanomaterials for insulation in space
10:35 - 10:55	Kenneth A. Savin	Center for the Advancement of Science in Space (CASIS)	Introduction of CASIS and the Space Chemistry Program