

**SMC-IT 2021**  
**8th International Conference on Space Mission Challenges for Information Technology**  
Virtual Conference: July 26-30, 2021

**CALL FOR PARTICIPATION**

EARLY BIRD REDUCED RATE REGISTRATION NOW OPEN UNTIL JULY 5th!  
(Regular registration begins on July 6th and continues through to the conference.)

Sponsored by: IEEE Computer Society and the Technical Committee on Software Engineering  
(TCSE)

General Information: <http://smc-it.org>  
Email Inquiries: [smc-it-chairs@baylor.edu](mailto:smc-it-chairs@baylor.edu)  
Registration: <http://smc-it.org/registration>

Every two years, the International Conference on Space Mission Challenges for Information Technology (SMC-IT) gathers system designers, engineers, scientists, practitioners, and space explorers with the objective of advancing information technology for space missions. The forum will provide an excellent opportunity for fostering technical interchange on all hardware and software aspects of IT applications in space missions.

The conference will focus on current information systems practice and challenges as well as emerging information technologies with applicability for future space missions. Information systems in all aspects of the space mission will be explored, including flight systems, ground systems, science data processing, engineering and development tools, operations, and telecommunications. The entire information systems lifecycle of the mission development will also be covered, such as conceptual design, engineering tools development, integration and test, operations, science analysis, and quality control. This year we will have special talk on M2020 helicopter and Mars missions.

A few of the confirmed Keynote Speakers include:

Juliane J. Gallina, Chief Information Officer, Central Intelligence Agency (CIA)  
Dr. Eugene L. Tu, Director at NASA's Ames Research Center  
Kevin D. Bell, VP Space Program Operations, The Aerospace Corporation  
Rob Manning, Chief Engineer, NASA / JPL  
Tim Canham, Software and Operations Lead for Mars Helicopter, NASA / JPL

**EXHIBITS:**

Interested in exhibiting or providing sponsorship through a corporation grant? If so, please contact us at [smc-it-chairs@baylor.edu](mailto:smc-it-chairs@baylor.edu)

**CALL FOR STUDENT VOLUNTEERS:**

If you are a full-time student and have an interest in volunteering to help with conference operations, please drop us an email at [smc-it-chairs@baylor.edu](mailto:smc-it-chairs@baylor.edu)

*We look forward to seeing you online in July 2021!*

**CONFERENCE CHAIRS:**

|                   |  |
|-------------------|--|
| General Chair:    | Yogita Shah (yogita.shah"at-sign"jpl.nasa.gov)     |
| Co-General Chair: | Michelle Carter (michelle.carter"at-sign"aero.org) |
| Finance Chair:    | James Oyama (James.Y.Oyama"at-sign"jpl.nasa.gov)   |

Advisors to the General Chair: Larry Bergman (Larry.Bergman"at-sign"ieee.org)  
Amalaye Oyake (Amalaye.Oyake"at-sign"outlook.com)  
Michael Campbell (michael.l.campbell"at-sign"aero.org)

|                   |   |
|-------------------|---|
| Program Chair:    | Michael Lowry (michael.r.lowry"at-sign"nasa.gov)  |
| Program Co-Chair: | Ivan Perez (ivan.perezdominguez"at-sign"nasa.gov) |

**ORGANIZING COMMITTEE:**

María Dolores Rodríguez Moreno  
Keith Schubert  
Michela Munoz Fernandez  
Brian Duncan  
Luke Lucas  
Ernesto Gomez

**STEERING COMMITTEE:**

Richard Doyle  
Rupak Biswas  
Jana Roche  
Chris Mattman  
Yisong Yue