

The GTOC9 special session at the ISSFD/ISTS conference (2017)

Chairs: Dario Izzo, Chit Hong Yam, Naoya Osaki

Abstract. This special session is organized to present the GTOC9 challenge and the solution strategies of some of the teams that provided a solution within the competition framework.

- Dario Izzo and Marcus Maertens. *“The Kessler Run: On the Design of the GTOC9 Challenge”*. Affiliations: European Space Technology and Research Center, Noordwijk, (The Netherlands)
- Nathan L. Parrish, Daniel J. Scheeres, Simon Tardivel, Chandrakanth Venigalla, Jonathan Aziz, Marielle Pellegrino, Oscar Fuentes, Stijn De Smet. *“GTOC9: Results from the University of Colorado at Boulder (CU Boulder)”*. Affiliations: University of Colorado, Colorado Center for Astrodynamics Research (United States)
- Marcus Hallmann, Markus Schlotterer, Ansgar Heidecker, Marco Sagliano, Frederico Fumanti, Volker Maiwald, Rene Schwarz. *“GTOC9: Results from the Deutsches Zentrum fur Luft-und Raumfahrt (DLR)”*. Affiliations: Deutsches Zentrum fur Luft- und Raumfahrt (Germany)
- Carlos Ortega Absil, Lorenzo A. Ricciardi, Marilena Di Carlo, Cristian Greco, Romain Serra, Mateusz Polnik, Aram Vroom, Annalisa Riccardi, Edmondo Minisci, Massimiliano Vasile. *“GTOC9: On the generation and evolution of multiple debris removal missions - (Strathclyde++)”*. Affiliations: Department of Mechanical and Aerospace Engineering, University of Strathclyde (United Kingdom) and Faculty of Aerospace Engineering, Delft University of Technology (The Netherlands)
- Xun Pan, Binfeng Pan, Peiyang Liu, Yangyang Ma, Hui Zeng. *“GTOC9: Results and Methods of Team 13 (NPU)”*. Affiliations: Northwestern Polytechnical University, Xi'an (China)
- Haiyang Li, Shiyu Chen, Hongwei Yang, Zhemin Chi, Gao Tang, Fanghua Jiang, Hexi Baoyin. *“GTOC9: Results and Methods of Team 2 - (Tsinghua-LAD)”*. Affiliations: School of Aerospace Engineering, Tsinghua University, Beijing (China)
- Yazhong Luo, Yuehe Zhu, Hai Zhu, Zhen Yang, Shuai Mou, Jin Zhang, Zhenjiang Sun, and Jun Liang. *“GTOC9: Results from the National University of Defense Technology - (NUDT)”*. Affiliations: College of Aerospace Science and Engineering, National University of Defense Technology, Changsha, (China)
- Anastassios Petropoulos, Daniel Grebow, Drew Jones, Gregory Lantoine, Austin Nicholas, Javier Roa, Juan Senent, Jeffrey Stuart, Nitin Arora, Thomas Pavlak, Try Lam, Timothy McElrath, Ralph Roncoli, David Garza, Nicholas Bradley, Damon Landau, Zahi Tarzi,

Frank Laipert, Eugene Bonfiglio, Mark Wallace, Jon Sims. “*GTOC9: Results from the Jet Propulsion Laboratory (JPL)*”. Affiliations: Jet Propulsion Laboratory, CA (United States)