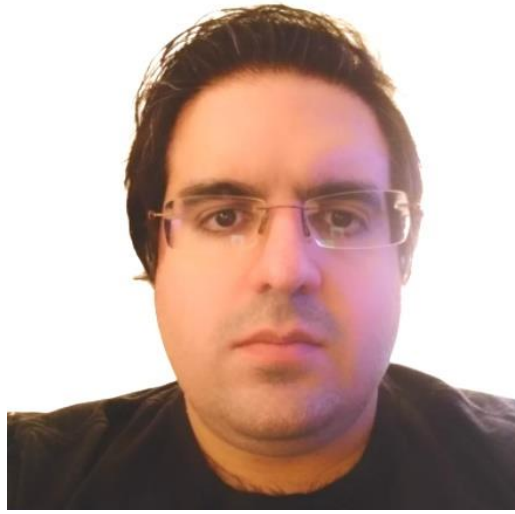


Amir E. Jahromi



Amir Jahromi has been working in the fields of cryogenics and sub-Kelvin coolers for the past fifteen years. In early 2012, Amir joined NASA's Goddard Space Flight Center's Cryogenics and Fluids branch, where he has been involved in various research and development (R&D) projects and supported flight projects, including the James Webb Space Telescope (JWST), Wide Field Infrared Survey Telescope (WFIRST), Visible Infrared Imaging Radiometer Suite (VIIRS), and L'Orpheus.

Amir holds a Ph.D. and a Masters degree in Mechanical Engineering/Low Temperature Physics from the University of Wisconsin-Madison, which he received in 2015 and 2011, respectively, under the supervision of Prof. Franklin Miller. His doctoral thesis focused on developing a novel proof-of-concept superfluid magnetic pump (SMP) using 4He and $3\text{He}/4\text{He}$ mixtures. This work aimed to create sub-Kelvin refrigeration systems for space science applications, such as the Superfluid Pulse Tube Refrigerator (SPTTR), Cold Cycle Dilution Refrigerator (CCDR), and Active Magnetic Regenerative Refrigerator (AMRR).

Amir has been a regular attendee and presenter at the Cryogenic Engineering Conference (CEC) since the 2011 session held in Spokane, WA. He has also chaired or co-chaired several sessions during current and previous CEC sessions and served as one of the two chairs for the 2021 Space Cryogenics Workshop. He has also been serving as a reviewer for the proceedings and several journals, including *Cryogenics* and *Review of Scientific Instruments*. He also collaborates with various Universities on several projects involving sub-Kelvin cooling systems. Amir is dedicated to enhancing future CEC

sessions and believes that CEC plays a crucial role in advancing and disseminating innovative ideas and technologies within the cryogenics community.