

Amir Jahromi



Amir Jahromi received a Ph.D. and a Master's degree in Mechanical Engineering / Low Temperature Physics from the University of Wisconsin – Madison in 2015 and 2011 respectively. His dissertation involved development of a novel proof-of-concept superfluid magnetic pump (SMP) using ^4He , and ^3He - ^4He for use in several type sub-Kelvin refrigeration systems for space science use including Superfluid Pulse Tube Refrigerator (SPTR), Cold Cycle Dilution Refrigerator (CCDR), and Active Magnetic Regenerative Refrigerator (AMRR).

Amir Joined NASA's Goddard Space Flight Center's Cryogenics and Fluids branch in early 2012 and has worked on various 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'Ralph.

Amir has been a regular CEC presenter/attendee since the 2011 session which took place in Spokane, WA. In addition, he has chaired or co-chaired several sessions during present and past CEC sessions and has served as a reviewer for the proceedings as well as several journals including Cryogenics, and Review of Scientific Instruments. Amir is committed to improving future CEC sessions and believes the role of CEC to be highly important and pivotal for the cryogenics community in advancing and sharing novel ideas and technologies.