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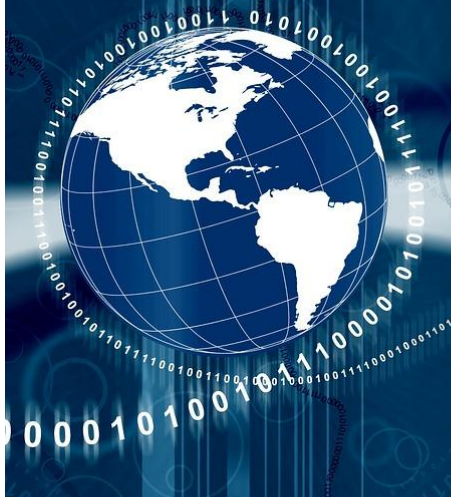


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Moderated by Dr. Ali Abedi,
Associate Vice President for
Research, UMaine



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Maine COM/CS Chapter

UMaine Artificial Intelligence Webinar: AI for Space and Aerospace

Thursday, October 7, 2021

12:00 - 1:00 p.m. EST (live via Zoom)



Janette C. Briones
*Principle Investigator: SCA/N
Cognitive Communication System
Project, Glenn Research Center*

Dr. Janette C. Briones earned her Doctorate of Philology in Computer Engineering in 2014. She is currently the Principal Investigator for the Cognitive Communication Project within NASA's Space Communication and Navigation (SCaN) program. She is responsible for leading and coordinating cognitive communications technology development and demonstration of new, high payoff space

technologies that will promote mission utilization of cognitive communications, thereby expanding the capabilities of NASA GRC. This involves the use of machine learning in the next generation architecture for space communications in the effort to increase efficiency, autonomy, reliability, and increased performance of our space communication and navigations next generation architecture. Also, she took the initiative in leading the action to host the Biennial IEEE Cognitive Communications for Aerospace Application Workshop (CCAAS). This event showcased the current work being performed at GRC as the Lead Center for Cognitive Communications within NASA and SCaN, and it also fostered collaborative relationships, including international partners and our partners in academia and industry to design NASA's next generation communication systems.



Nargess Memarsadeghi
*Goddard Space Flight Center,
AI Center of Excellence Lead*

Dr. Nargess Memarsadeghi is a Senior Computer Scientist at NASA Goddard Space Flight Center (GSFC), and is the Lead for GSFC's Artificial Intelligence Center of Excellence (AICOE). Nargess has two decades of experience in scientific data processing, analysis, and visualization for different NASA scientific and engineering applications. She currently supports software engineering efforts for science data processing of the Roman Space Telescope (RST). At the AICOE, she actively facilitates knowledge transfer through forming bidirectional collaborations, organizing seminars and workshops. She holds B.S., M.S., and Ph.D. degrees in Computer Science from the University of Maryland at College Park.

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