

WSU News

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NASA engineer returns to Wichita State as Innovator in Residence

By Strategic Communications



- **Innovators in Residence will provide industry knowledge, insight and guidance to students and faculty.**
- **Dr. Ryan Amick mentored Harvestars, the 2021-22 Wichita State NASA SUITS team.**
- **Amick's research and professional background includes aviation and spaceflight human factors, industrial ergonomics, musculoskeletal injury biomechanics and rehabilitation and more.**

Dr. Ryan Amick, a Wichita State University alumnus and NASA engineer, has been selected as one of the Innovators in Residence for the College of Innovation and Design during the 2022-23 academic year.

Amick is a principal human factors engineer at NASA Johnson Space Center in Houston. He serves as the extravehicular activity (EVA) human factors lead, where he provides human factors and human-systems integration guidance to the NASA community as applied to development of the Exploration EVA System, and its integration with the larger NASA Spaceflight System Architecture.

He additionally serves as the habitability (HAB) scientist for NASA's Human Research Program, where he investigates how the design of vehicles, habitats and spacesuits impact astronaut crew health and performance.

As an Innovator in Residence within the College of Innovation and Design at Wichita State, Amick will collaborate with students and faculty to provide industry knowledge, insight and guidance throughout the development of novel, innovative technology products and solutions.

Amick received his B.A. and M.Ed. in exercise science in 2005 and 2007, respectively, and Ph.D. in industrial engineering in 2014 at Wichita State.

Amick was a critical part of the [2021-2022 Wichita State NASA SUITS team, Harvestars](#) where he mentored the student group, helping them to succeed and make it to the [Top 10 teams](#) and to [Test Week at Johnson Space Center](#) in May 2022.

Amick has a broad research and professional background that includes aviation and spaceflight human factors, industrial ergonomics, musculoskeletal injury biomechanics and rehabilitation, industrial and environmental physiology, implantable and wearable medical device development, and the development of novel metabolomic and proteomic biomarker identification techniques.

The WSU NASA SUITS team will be hosting an info session for students interested in joining the 2022-2023 student challenge hosted by NASA from 3-4 p.m. Sept. 15 in the Innovation Hub on the second floor of Devlin Hall. Email maggie.schoonover@wichita.edu for more information.