Assistant Professor in Expressive Robotics
School of Arts, Media and Engineering, Herberger Institute for Design and the Arts
School for Engineering of Matter, Transport and Energy, Fulton Schools of Engineering
Arizona State University

The School of Arts, Media, Engineering (ame.asu.edu) and the School for Engineering of Matter, Transport and Energy at Arizona State University are seeking outstanding candidates for a joint tenure-track position beginning in Fall 2017 in the area of Expressive Robotics. Ideal candidates will have demonstrated experience in development of platforms, architectures, and algorithms, for humanoid or non-humanoid robotics. Specific areas of interest for this position include the design of robotic systems that are capable of non-trivial expressive interaction, including elements of improvisation and creativity, as well as ensembles of animated physical objects.

The tenure home is expected to be in the School of Arts, Media, Engineering. But based on specific candidate profiles, we expect the candidate will be jointly appointed in one of the programs in the Fulton Schools of Engineering, such as Mechanical Engineering (SEMTE), Biomedical Engineering (SBHSE), Computer Science (CIDSE), or Electrical Engineering (ECEE). We are particularly interested in candidates interested in fostering inter-disciplinary scholarly collaboration: including but not limited to engineering, science, health, arts, and/or humanities.

Arizona State University’s model for the New American University dissolves the barriers between disciplines and fosters collaboration among diverse units. We also assume major responsibility for the economic, social and cultural vitality of the communities that surround us. ASU is a place where local solutions have a global impact. More than 80,000 students and 2,800 faculty make ASU their academic home in the metropolitan Phoenix area – the nation’s fifth largest city. ASU champions intellectual and cultural diversity, welcoming students from all fifty states and more than a hundred nations across the globe.

The Ira A. Fulton Schools of Engineering include nearly 20,000 students and over 330 faculty members who conduct nearly $100 million in research, spanning a broad range of engineering, construction, and technology fields. The schools’ educational programs emphasize problem solving, entrepreneurship, multidisciplinary interactions, social context, and connections.

The Herberger Institute for Design and the Arts is a vibrant example of the philosophy of a New American University. The institute is built on a combination of disciplines unlike any other program in the nation. In addition to the School of Arts, Media and Engineering, the Herberger Institute comprises The Design School, the schools of Art, Dance, Music, and Theatre and Film, as well as the ASU Art Museum. The institute is part of a university community comprising four differentiated campuses, each positively impacting the economic, social, cultural and environmental health of the communities it
The School of Arts, Media and Engineering is a leading transdisciplinary program in media arts and sciences. The appointee's efforts will merge with efforts of other faculty for the achievement of significant advancements in experiential media and more broadly the relation between culture and computing. The appointee is expected to further existing research connections between the School of Arts, Media and Engineering and the Fulton Schools of Engineering (e.g. School for Engineering of Matter, Transport, and Energy) in areas of common interest related to the appointee's interests and strengths.

The School of Arts, Media and Engineering offers a PhD in media arts and sciences, an undergraduate BA in Digital Culture with concentrations in nine collaborating units spanning the arts, design, sciences and engineering. The successful candidate is expected to enhance our connections to the Fulton Schools of Engineering, be involved in the development of new undergraduate and graduate curriculum in Digital Culture, and further develop our connections to industry. The school has state-of-the-art facilities for the development of embodied interactive media systems with focus on rehabilitation, education, cultural networks and enactive art. Significant federal, private foundation and industry support along with clinical, education and cultural partnerships contribute to the development and deployment of these systems.

**Required Qualifications**

A PhD in Mechanical Engineering, Electrical Engineering, Computer Engineering, Computer Science, or some closely related field, with a specialization in autonomous or semi-autonomous systems, or robotics. Some teaching experience at undergraduate or master's levels. Ability to define, lead and find support for PhD research.

**Desired Qualifications**

Evidence of ability and willingness to collaborate on creative applications. Ability to communicate technical ideas to non-specialized audiences. Ability to mentor graduate students or advanced undergraduates in research projects. We seek a candidate with experience in research and education spanning arts, design, humanities and engineering.

**Application Deadline**

Application deadline is March 6, 2017; if not filled, every two weeks thereafter until search is closed.

**Application Procedure**

Send a letter of interest, CV, statement of research, statement of teaching vision (consistent with the transdisciplinary nature at AME), three to five representative publications and/or media products, and names, addresses and telephone numbers for three to five professional references, via one zipped attachment, to: ExpressiveRobotics_search@asu.edu. Zipped files sent to this email address are limited to 10MB. For larger files, candidates may alternatively provide a URL to which the search committee may access the candidate's materials. Please note that if a URL is provided, the site must include only the above requested documents in order for the application packet to meet the requirements. For more information, please email: panagiotis.artemiadis@asu.edu.

ASU conducts pre-employment screening for all positions, which includes a criminal
background check, verification of work history, academic credentials, licenses and certifications.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's complete non-discrimination statement at https://www.asu.edu/aad/manuals/acd/acd401.html. See ASU’s Title IX policy at www.asu.edu/titleIX.