

Title: A Multi-pronged Approach to Broadening Participation and Intellectual Engagement at ICMI 2018
Conference: ICMI 2018, Boulder CO
People: Sidney D'Mello & Stefan Scherer (ICMI 2018 General Chairs)
Total Requested: \$9,750

Summary

We are requesting funding to support the following activities aimed at improving both the diversity of participants as well as the diversity of intellectual engagement at ICMI. Rather than requesting funds for a single category (e.g., student participation like previous ICMI requests), we think that a multi-pronged approach better suits the specific needs of ICMI 2018.

Breaking down Barriers to Participation - \$1,750

There are a number of reasons why interested participants cannot attend or can only partly attend the conference. These include childcare issues, the high-cost of visa applications, travel costs for participants from underrepresented areas, etc. We seek to ameliorate these issues by providing *partial* financial support in the form of daycare reimbursement (approximately \$250 for the entire conference), visa-application fee reimbursement (approximately \$200), or partial travel scholarships (\$750) for participants from underrepresented areas. Funding in this category will be need-based and priority will be given to those who will be presenting at the conference.

Promoting the new Late Breaking Paper Category - \$2,500

ICMI 2018 will launch a new late-breaking paper (LBR) category. These papers will be peer reviewed and presented as posters (but will not be included in the main proceedings). In order to promote this new category, we will provide partial travel compensation to encourage student submission to this category. We will solicit student LBR applicants as follows. Because of very competitive acceptance rates, strongly-ranked papers often get rejected and students without accepted papers miss the opportunity to attend the conference. We propose to provide partial attendance scholarships (\$500) to five students *without*¹ an accepted (but strongly-ranked) first-author paper provided they submit their paper (and get it accepted) to the LBR category.

Conference Experience for Undergraduates (CEUs) - \$2,500

Following the widely-successful NSF Research Experience for Undergraduates (REU), which provides immersive summer research experience for undergraduates, we aim to provide Conference Experiences for Undergraduates (CEUs). The main aim is to expose undergraduates to a professional conference and to cutting-edge ICMI research and to facilitate interactions with graduate students and other ICMI researchers. It is our hope that these experiences will pique interest in research and ultimately graduate school enrollment. We anticipate five CEU scholarships valued at \$500 each.

To apply, students will be asked to provide an application statement about what they intend to learn from the conference. They will also need a recommendation from a faculty member at their institution. Priority will be given to undergraduate students with ICMI-related majors (CS, engineering, psychology, neuroscience, etc.), women and underrepresented minorities, students who have never attended a SIGCHI conference, and those considering graduate school in a SIGCHI-related area. Students will be asked to write a short reflection about what they learned after the conference.

Panel session on Interdisciplinary Approaches to Multimodal Small Group Interactions - \$3,000

In the past decade the analysis of human-human social interaction in the ICMI community has increased steadily. This is a key component of designing for smart socially intelligent multimodal systems. In 2016,

¹ We have already budgeted (\$10k) for need-based funding for international students *with* accepted papers. NSF-funds have been secured for US students who attend the Doctoral Consortium.

an initiative was set up to investigate whether researchers in the ICMI community would be interested in increasing collaborations with researchers from the small group research community (www.INGroup.net). To this end, a Lorentz workshop was organized in the Netherlands with 25 leading small group researchers and computer scientists from the ICMI community. The result of workshop, jointly published special issue in the Journal of Small Group Research in 2017 (<http://journals.sagepub.com/toc/sgrd/48/5>), clearly highlight the considerable benefits of bringing these two communities together. However, there are many challenges to facilitate deeper collaboration between these communities.

In keeping with the ICMI 2018 conference theme, “Multi-modal Understanding of Multi-party Interactions,” we propose to organize a panel discussion to bridge small group researchers (typically from cognitive psychology and social psychology) with multimodal researchers. The panel session will focus on opportunities and challenges for interdisciplinary small group research from a multimodal perspective. Funds (\$1500 each) will be used to invite two leading small group researchers (who do not attend ICMI) to serve as panelists (Prof. Steve Kozlowski, Michigan State University and Prof. Mary J. Waller, Texas Christian University). Additional panelists will be selected from members of the ICMI community who regularly attend the conference.