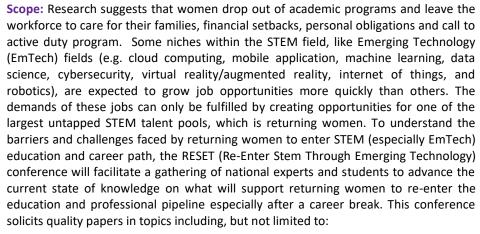# NSF RESET 2021 Conference

Re-Enter STEM Through Emerging Technology

Thu, March 4 – Sat, March 6, 2021
VIRTUAL

Scope: Research suggests that women drop out of academic programs and leave the workforce to care for their families, financial setbacks, personal obligations and call to active duty program. Some niches within the STEM field, like Emerging Technology (EmTech) fields (e.g. cloud computing, mobile application, machine learning, data science, cybersecurity, virtual reality/augmented reality, internet of things, and robotics), are expected to grow job opportunities more quickly than others. The demands of these jobs can only be fulfilled by creating opportunities for one of the largest untapped STEM talent pools, which is returning women. To understand the barriers and challenges faced by returning women to enter STEM (especially EmTech) education and career path, the RESET (Re-Enter Stem Through Emerging Technology) conference will facilitate a gathering of national experts and students to advance the current state of knowledge on what will support returning women to re-enter the education and professional pipeline especially after a career break. This conference solicits quality papers in topics including, but not limited to:

- Approaches to new career pathways in EmTech fields
- Experience report on (re-)entry into computing/EmTech fields
- Strategies to navigate computing career pathways and to (re-)enter the computing/EmTech workforce
- Unique challenges in (re-)entering computing/EmTech fields
- Unique challenges entailed in (re-)entering computing/EmTech academic programs when switching from another discipline
- Unique challenges entailed in (re-)entering computing professions when switching from another career
- Role of bootcamps or informal learning in enabling (re-)entering in computing/EmTech academic programs and professions
- Internships, accelerated trainings and industry partnerships
- Curricula Initiatives and practical learning experience reports
- Policy redesigns for easier (re-)entry into computing/EmTech fields

Chairs

Dr. Farzana Rahman
Syracuse University

Dr. Elodie Billionniere
Miami Dade College

Important Dates
Submission Open: Sep 7, 2020
Submission Due: Nov 20, 2020
Notification: Dec 15-Dec 18, 2020
Final Submission: Jan 4, 2020

Scholarship Opportunity
Student participants will qualify for merit-based scholarship by the **NSF**.

Scholarship Application Due
Nov 30, 2020

Contact Us
If you have any question, please email us at:
resetconf2021@gmail.com

Type of submission:

Panel

A panel is a discussion among expert panelists on a specified topic, typically occupying a 90-minute session, with at least a third of that time allocated for audience participation. The detailed description of the proposed session must not exceed 2 pages for all text, figures, and references in PDF format.

Workshop

Workshops are interactive session with a presenter-lead, structured training followed by in-depth discussions, exercises, or problem solving. We invite industry professionals and scholars from the academia to submit hands-on virtual workshop for students to gain various technical skills. Workshops will be typically occupying 45 min to 60 min. The proposed session must not exceed 2 pages for all text, figures, and references in PDF format.

Poster

The research poster session provides an opportunity for students to present their latest work to a wide conference audience and to network with peers and experts in their research area. Posters are appropriate for work in progress, preliminary results, and late-breaking research results. If your poster submission is accepted, it will be displayed for a 1-hour time period on Saturday, where at least one of the authors needs to attend the poster. The research abstract should describe: the research problem and motivation, background and related work, approach and uniqueness, results, and contributions. The proposed poster abstract must not exceed 1 page.

Research Paper/Experience Report

Papers or reports presenting interesting results that are in line with the conference scope are welcome. Papers in the format of experience reports describing an innovative approach and an assessment of its impact, and projects undertaken to investigate aspects of EmTech education are also welcome. Papers describing beliefs or proposals for future work in facilitating (re-)entry of women are highly welcome. Paper submission can be up to 6 pages (single column) or 4 pages (double column)and the duration of the paper presentation is 45 min. The submission must include the authors' names and affiliation.

Submission Guidelines

The papers, panels, workshops, and poster abstracts presented at the conference will **NOT** be published with any publisher or in the digital library. You are welcome to submit research papers published at other conferences that fit the scope of RESET. The official language of the conference is English, and submissions for review should be written in good academic English.

Submission Instructions

Easychair will be used to accept electronic submission. All submissions must be PDF files.

The link to the Easychair system for submission: https://easychair.org/conferences/?conf=nsfreset2021