



Proceedings of Extended Abstract

**SHECANENGINEER: SOCIAL AWARENESS OF HEAT TRANSFER
APPLICATIONS & TECHNOLOGIES AND THE ROLE OF
DIVERSITY/EQUITY/INCLUSION INITIATIVES**

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1. ABSTRACT

The SheCanEngineer presentation will be delivered by Maira Bana – one of the trustees of the charity and a mechanical engineer with extensive experience and expertise in the field of Computational Fluid Dynamics. The presentation will discuss how increasing social awareness of the engineering profession will help to tackle the skills shortage in this field. Maira will explain how a fully collaborative approach between industry, academia and Professional Engineering Institutions will deliver the greatest likelihood of success, and how DE&I initiatives and charities are a critical element of this approach. The presentation will also cover observations on how the wider industry can work with universities – at both an academic and “society” level. Finally, this talk will explore how important it is to show the applications of science to positively engage younger cohorts - and in particular how applications of heat transfer can attract them through their sustainability implications as well as cutting-edge technologies.