

ACM Goa Professional Chapter presents

A Talk by Dr. Neeldhara Misra, IIT Gandhinagar

# Current Research Directions in Fair Division

On 22<sup>th</sup> Oct 2021 4pm-5pm

Register on this link for event updates:

<https://forms.gle/hai1vbuXSUMHMKa96>



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## Abstract:

Have you ever wondered about how to cut a cake in a way that makes everyone happy? It's easy to do when the cake is nice and uniform, but when different people like different parts of the cake, dividing it fairly is a trickier issue. The cake is a useful abstraction for various real-world problems, ranging from land to water to compute resources on a machine, and so on. I will introduce the problem of fair division with an emphasis on the setting of indivisible items and talk about some open problems in the area.



## Speaker:

Neeldhara Misra is the Smt. Amba and Sri. V S Sastry Chair Assistant Professor of Computer Science and Engineering at IITGn. Her primary research interest involves the design and analysis of efficient algorithms for “hard” problems in general, and parameterized algorithms in particular. The problems that she works on are typically concerned with combinatorial optimization, frequently in the context of graph theory, social choice, games, geometry, and constraint satisfaction.