

ICTS Statistical Physics Journal Club Seminar

- Title** : Stochastic thermodynamics and its applications in the study of microscopic active heat engines
- Speaker** : Sourabh Lahiri (Birla Institute of Technology, Mesra, Jharkhand)
- Date** : Thursday, 8 October 2020
- Time** : 03:00 pm (IST)
- Abstract** : Tiny heat engines at nanoscales have become a topic of intense studies in recent years. Such engines can be used to power nanomachines. Such machines can find a lot of applications, especially in the medical industry. Recent studies show that it may be possible to enhance the efficiency of such engines if the working system is active in nature. We investigate this problem theoretically and carry out numerical simulations in order to determine the range of parameters that lead to a higher efficiency.
- Venue** : Online Seminar

Please click on the below link to join the zoom meeting

<https://zoom.us/j/93662984957?pwd=SjJlQ0k5bGVlWXlEZm5ENStickZoUT09>

Meeting ID: 936 6298 4957

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