

PUBLICATIONS

JOURNALS

1. Aadil Kureshee, N. K. Jha, Vikram Singh, R. N. Hota, **S. Narayanan** and Deepak Kumar Mandal, Effect of single and multiple acoustic frequencies on the atomization of a spray, *Phys. Fluids* 36, 000000 (2024); [doi: 10.1063/5.0243668](https://doi.org/10.1063/5.0243668) (Accepted)
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4. S. Singh, Kumar, Bhaumik, P.K. Singh, and **S. Narayanan**, Thickness Profile Measurements of Acoustic Induced Maneuvering of Thin Film Evaporation, *Heat Transfer Engineering*, (Accepted)
5. Sujit Kumar, Sushil kumar Singh, Shailesh Jha, Kabilan Baskaran, K. Srinivasan and **S. Narayanan**, On the reductions of airfoil broadband noise through circular dimples, *Applied Acoustics*, (2024), 217, 109819, <https://doi.org/10.1016/j.apacoust.2023.109819>
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Rolls-Royce Inventor Awards for Southampton University

Dear Professor Aatley

It gives me great pleasure to tell you that Southampton University will be awarded a total of £2250 under the provisions of the Rolls-Royce Awards to Inventors Scheme for 2015. This award represents the sum of payments that would have been made to the following inventors were they employees of Rolls-Royce. It is at your discretion whether the payments are passed on to the inventors

| Stage | Case No. | Title | Application No. / Patent No. | Name | Award Amount |
|---------|----------|---|------------------------------|-----------------------------------|--------------|
| Stage 1 | S882 JNR | Multi-Frequency Leading Edge Serration for Reduced Aerofoil Noise | 1512688.1 | Joseph, P | 125 |
| Stage 1 | S882 JNR | Multi-Frequency Leading Edge Serration for Reduced Aerofoil Noise | 1512688.1 | Subramanian, N | 125 |
| Stage 1 | S882 JNR | Multi-Frequency Leading Edge Serration for Reduced Aerofoil Noise | 1512688.1 | Paruchuri, C | 125 |
| Stage 1 | S882 JNR | Multi-Frequency Leading Edge Serration for Reduced Aerofoil Noise | 1512688.1 | Kim, J-W | 125 |
| Stage 1 | S895 LMT | Forming Shape Creator (FoSCo) | 1513321.8 | Cooper, D S - now an R-R employee | 500 |

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