

# Alwar Samy Ramasamy

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I am currently doing PhD program in the field of electrocapillarity, where liquid meniscus interacts with flexible membrane.

## **Previous academic / industrial experience:**

- Graduated Bachelors' - Mechanical Engineering from Anna University Chennai in 2011
- Worked as Design Engineer R&D in WABCO vehicle control systems during 2011-2014

## **Journal Publications:**

R.A. Samy, D. George and A. K. Sen, Bio-inspired liquid transport via elastocapillary interaction of a thin membrane with liquid meniscus, *Soft Matter*, 2017, 13, pp 6858-6869. DOI: 10.1039/C7SM00940B

S.P. Reddy, R.A. Samy, A. K. Sen, Interaction of elastocapillary flows in parallel microchannels across a thin membrane, *Applied Physics Letters*, 2016, 109, 141601. DOI: 10.1063/1.4964264

## **Conference Proceedings:**

R.A. Samy, D. George and A. K. Sen, Bio-inspired liquid transport using PDMS membrane by elastocapillarity, *FLOW 17*, 3-5 July 2017, Paris, France

R.A. Samy, D. George and A. K. Sen, Liquid transport using a pdms membrane by Elastocapillarity, *IHMTC 17*, 27-30 December 2017, Hyderabad, India

## **Other interests:**

Travelling solo, Reading books and Yoga

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