

# Subin THOMAS

## PERSONAL DATA

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## WORK EXPERIENCE

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Sep 2016 – Present	Doctoral Candidate at Michigan Technological University	
	<b>Research Associate</b>	[Aug '16 – Present]
	Cloud Physics Laboratory	A: Prof. Raymond A. Shaw
	Alternate Sponsored Fellow at Pacific Northwest National Laboratory	
	<b>Visiting Student</b>	[Jan '18 – Apr '18]
	Earth and Biological Sciences Directorate	A: Dr. Mikhail Ovchinnikov
	<b>Teaching Assistant</b>	[Sep '16 – April '17]
	PH 1100 – Physics by Inquiry	C: Mr. William Slough
Oct 2015 – Jul 2016	Research Associate at Université Pierre et Marie CURIE	
	Institut Jean Le Rond d'Alembert	A: Prof. Stéphane Zaleski
	PARIS Simulator Code	
	Gerris	
May 2015 – Aug 2015	Research Associate at Robert Bosch Centre for Cyber Physical Systems	
	Fluid Mechanics Laboratory	A: Prof. Jaywant H. Arakeri
	Evaporation of water from surfaces of low porosity - To mimic the effect of solar radiation on stomatal transpiration.	
Aug 2013 – Apr 2015	Edison Engineer at General Electric	
	Power & Water, Bangalore	

## EDUCATION

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Sep 2016 – Present	<b>Doctor of Philosophy</b> in Atmospheric Sciences	
	Michigan Technological University, Houghton	
	Major: Cloud Physics	
	Thesis : Simulation of turbulent cloud chamber	A: Prof. Raymond A. Shaw
	CGPA: 4.0/4.0	
Sep 2015 – Jul 2016	<b>Master of Mechanics</b> in Fluid Mechanics, Fundamentals & Applications	
	École Polytechnique, Paris	
	Université Paris-Saclay, France	
	First Class   Major: Fluid Dynamics	
	Thesis: Simulation of falling droplet using Gerris.	A: Prof. Stéphane Zaleski
	CGPA: 14.4/20.0	

Aug 2011 – Jul 2013	<b>Master of Engineering in Mechanical Engineering,</b> Indian Institute of Science, Bangalore <i>First Class</i>   Major: Fluid Dynamics Thesis: <i>Turbulent free convection of air in a long vertical tube.</i>   A: Prof. J. H. Arakeri CGPA: 6.0/8.0
Sep 2007 – May 2011	<b>Bachelor of Technology in Mechanical Engineering</b> College of Engineering Trivandrum University of Kerala, Thiruvananthapuram <i>First Class with Honours</i>   Major: Fluid Dynamics Thesis: <i>Design &amp; Fabrication of Parabolic Solar Trough.</i>   A: Prof. G. Venugopal CGPA: 8.0/10.0

## SCHOLARSHIPS & CERTIFICATES

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- 2018 **Graduate Student Government Travel Grant** from Michigan Technological University
- 2018 **Alternate Sponsored Fellowship** by Pacific Northwest National Laboratory
- 2016 **Summer of HPC Fellow 2016** by Partnership for Advanced Computing in Europe
- 2015 **Charpak Master's Scholarship** by the Government of France
- 2015 **Junior Research Fellowship** by the Government of India
- 2011 **Ministry of Human Resource Development Scholarship** by the Government of India

## CONFERENCES & PUBLICATIONS

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### Conferences

- Dec 2018 THOMAS, S., OVCHINNIKOV, M., YANG, F. AND SHAW, R. A.. *Turbulence influence on cloud droplet growth: A computational investigation of the Pi Chamber using large eddy simulation.* AGU Fall Meeting, 2018.
  - Nov 2017 SHAW, R., CANTRELL, W., CHANDRAKAR, K.K., KINNEY, G., OVCHINNIKOV, M., THOMAS, S. AND YANG, F.. *Turbulence-induced broadening of cloud droplet size distributions: implications for aerosol indirect effects.* APS Meeting Abstracts.
  - Dec 2014 THOMAS, S., AND MUKHOPADHYAY D. *Thermal Design of Digital Slip Rings for Gas Turbines.* GE India MCAT conference.
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