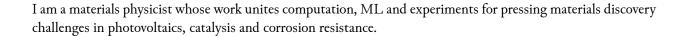
# Suhas Mahesh

Twitter

LinkedIn

Website

suhas.mahesh@utoronto.ca



### **Employment**

Sep 2021- Schmidt Science Fellow link

University of Toronto

University of Oxford

Electrical & Computer Engineering (with Ted Sargent, Jason Hattrick-Simpers)

- Developed HTE for Meta's Open Catalyst Project
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2016-2021 PhD Researcher (Physics) link

Rhodes Scholarship

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#### Education

2016–2021 Doctor of Philosophy in Condensed Matter Physics University of Oxford

Rhodes Scholarship link; Advisor: Prof. Henry Snaith, FRS link

Optical and Electronic Studies of New Materials for Multijunction Photovoltaics link

Thesis award (2021) from MPLS Division, University of Oxford

2012–2016 Bachelor of Science in physics Indian Institute of Science

With highest honors

2016 Research Intern Italian Institute of Technology

Inkjet Processed Semiconductors link

2015 Research Intern University of Groningen, Netherlands

Carbon Nanotube based FETs link

# Published Articles and Book Chapters

Please see my Google Scholar

#### **Patents**

Pending Snaith, H. J and Mahesh, S. Multi-Junction Optoelectronic Device Comprising Device Interlayer, International Application Number: PCT/GB2019/053550 link

# Grants, Fellowships and Prizes

2024	Catalyst Interdisciplinary Award (\$10,000) link		
2023	Software engineering grant (1 FTE-year), Virtual Institute for Scientific Software link		
2023	Acceleration Consortium Fellowship (\$110,000) link		
2022	Optoelectronics Materials Discovery Grant, Schmidt Futures (\$42,000) link		
202I	Schmidt Science Fellowship (\$200,000) link		
2021	PhD Thesis Award, MPLS Division, University of Oxford		
2019	Best Early Career Presentation, SUNRISE Solar Symposium (London)		
2019	Best Early Career Presentation, Indo-UK Optoelectronics Meet (Pune, India)		
2016	Rhodes Scholarship (\$150,000)		

# Recent Invited Talks

2024	Automated Catalyst Discovery using GAM workflows	Schmidt Science Summit
2023	ML-guided Discovery of Two-Dimensional Perovskites (invited)	) Synthace
2023	Beating the Negative Data Problem in Materials Science (invited	l) Rhodes Trust
2022	Thermodynamics of Optoelectronic Devices (invited)	University of Oxford
202I	Computational Modelling of Solar Absorbers (invited)	IISER Berhampur
202I	Spatial Inhomogeneities in Perovskite Photovoltaics (invited)	SUNRISE Symposium
2020	Origin of Phase Instabilities in Perovskite Semiconductors (invit	ted) Oxford PV

# Outreach and Community

2023	Selector for Rhodes Scholarship	Rhodes Trust
202I	Selector for the RISE Award link	RISE
2019	Conference for Undergraduate Women in Physics (co-organiser)	Institute of Physics
2019	Stargazing Science Festival (outreach exhibit) link	University of Oxford
2018	Oxford Science Festival (outreach exhibit) link	University of Oxford
2014-16	Head of Scholarships, Notebook Drive link Notebook Drive is an NGO working to improve access to primary educat	Notebook Drive

# Other Interests

Co-creator of ambuda.org link
Breakthrough digital library of Sanskrit with intelligent ML-based tools
Feb 2024 How to Love in Sanskrit (HarperCollins; co-authored with Anusha Rao)
Compendium of 3000 years of Sanskrit verse in English translation