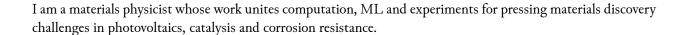
# Suhas Mahesh

Twitter

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#### **Employment**

Sep 2021- Acceleration Consortium Fellow

Senior Schmidt Science Fellow link

Department of Materials Science, University of Toronto

PI: Prof. Jason Hattrick-Simpers

#### Education

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

Rhodes Scholarship link

Supervisor: 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 Grant (\$10,000) (co-PI with Sebastian Musslick) 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
202I	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

2023	ML-guided Discovery of Two-Dimensional Perovskites (invited)	Synthace
2023	Beating the Negative Data Problem in Materials Science (invited)	Rhodes Trust
2022	Thermodynamics of Optoelectronic Devices (invited)	University of Oxford
2021	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 (invite	ed) Oxford PV

# Teaching Experience

Semiconductor Devices, Organic Electronics , Solar Cell Thermodynamics, Condensed Matter Physics (TA), Analogue Electronics (TA). More detailed teaching history can be provided upon request.

## 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 tion in rural India.

#### Other Interests

2023-	Co-creator of ambuda.org link
	Breakthrough digital library of Sanskrit with intelligent ML-based tools
2024	How to Love in Sanskrit (HarperCollins; co-authored with Anusha Rao) Compendium of 3000 years of Sanskrit wisdom on love, in English translation