

# Kevin Jose

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EDUCATION	<b>University of Southampton</b> , Southampton, UK PhD Computational Engineering and Design Group May 2019 - Jun 2023
	<b>Indian Institute of Technology Kanpur</b> , Kanpur, India BT-MT Dual Degree, Mechanical Engineering with a minor in control systems engineering Jul 2012 - Aug 2017
WORK EXPERIENCE	<b>Siemens Digital Industries</b> , Cambridge, UK Software Engineer Mar 2025 - Present
	<b>University of Cambridge</b> , Cambridge, UK Research Associate Mar 2023 - Mar 2025
	<b>Vestas aircoil A/S</b> , Lem, DK Visiting PhD Student Jan 2020 - Sep 2021
	<b>University of Southampton</b> , Southampton, UK Marie Curie Fellow May 2019 - Dec 2022
	<b>Boston Consulting Group</b> , Gurgaon, India Associate Nov 2018 - May 2019
	<b>New York University</b> , Brooklyn, USA School of Engineering Fellow Aug 2017 - Oct 2018
JOURNAL PUBLICATIONS	<ol style="list-style-type: none"><li>6. Evans M., . . . , <b>Jose K.</b>, . . . et. al. “Developments and applications of the OPTIMADE API for materials discovery, design, and data exchange”. <i>Digital Discovery</i> 3 (2024), 1509-1533</li><li>5. <b>Jose K.</b>, Ferguson N., and Bhaskar A. “Branched flows of flexural elastic waves in non-uniform cylindrical shells”. <i>PLoS ONE</i> 18.5 (2023): e0286420</li><li>4. <b>Jose K.</b>, Ferguson N., and Bhaskar A. “Branched flows of flexural waves in non-uniform elastic plates”. <i>Communications Physics</i> 5 (2022): 152 - Associated invited blog post on <a href="#">Nature Portfolio Physics Community</a></li><li>3. Bhaskar A., and <b>Jose K.</b> “How far does a fold go?” <i>Extreme Mechanics Letters</i> 45 (2021): 101261</li><li>2. Boldini A.*, <b>Jose K.*</b>, Cha Y., and Porfiri M. “Enhancing the deformation range of ionic polymer metal composites through electrostatic actuation”. <i>Applied Physics Letters</i> 112.26 (2018): 261903 (*Equal Contribution)</li><li>1. <b>Jose K.</b>, Chatterjee A., and Gupta A. “Acoustics of idakkā: An Indian snare drum with definite pitch”. <i>The Journal of the Acoustical Society of America</i> 143.5 (2018): 3184-3194</li></ol>
CONFERENCE PROCEEDINGS	<ol style="list-style-type: none"><li>1. Boldini, A., <b>Jose K.</b>, Cha Y., and Porfiri M. “Electrostatic actuation in ionic polymer-metal composites.” In <i>Nano-, Bio-, Info-Tech Sensors and 3D Systems III</i>, vol. 10969, p. 1096910. International Society for Optics and Photonics, 2019.</li></ol>

INTERNSHIPS	<b>Singapore University of Technology and Design</b> , Upper Changi, Singapore Visiting Student	May 2016 - Jul 2016
	<b>Whirlpool Global Technology &amp; Engineering Center</b> , Pune, India Summer Intern	May 2015 - Jul 2015
AWARDS & SCHOLASTIC ACHIEVEMENTS	<b>Best Mechanical Engineering PhD Qualifying Exam Performance</b> New York University	2018
	<b>Best Intern Award</b> Whirlpool Global Technology & Engineering Center, Pune	2015
	<b>IIT-Joint Entrance Exam All India Rank 792</b> out of ~0.47 million candidates (99.8 percentile)	2012
	<b>KVPY Fellowship Award (Declined)</b> Awarded by the Gov. of India & Indian Institute of Science, Bangalore	2012
RESEARCH TALKS	<b>Open Databases Integration for Materials Design</b> , EPFL	2023
	<b>11th European Solid Mechanics Conference</b> , NUI Galway	2022
	<b>Elasticity Day</b> , University College London	2022
	<b>18th European Mechanics of Materials Conference</b> , University of Oxford	2022
	<b>ISVR Research Seminar</b> , University of Southampton <a href="#">[Link]</a>	2022
	<b>EUROMECH Colloquium 626</b> , Keele University, Online	2021
	<b>Elasticity Day</b> , Isaac Newton Institute, University of Cambridge, Online	2021
	<b>Applied Math Seminar</b> , University of Southampton	2021
PROFESSIONAL SERVICE	<b>Reviewer</b> for <a href="#">EPJ Plus</a> (Springer). IF (2020) ~ 3.91	2021
	<b>Organizer</b> of the <a href="#">InDEStruct Workshop</a> . ~70 attendees	2021
TEACHING & MENTORING	<b>Teaching Assistant / Supervisions</b> <i>Pembroke College, Cambridge</i> : Mathematics (Part IB) (Michaelmas 2024, Lent 2025) <i>NYU Tandon</i> : Mechanics of Materials Laboratory (Fall 2017, Spring 2018) <i>IIT Kanpur</i> : Mechanics of Solids (Spring 2017); Complex Analysis (Fall 2016)	
	<b>Mentoring</b> <i>NYU Tandon</i> : Summer projects mentoring for 3 summer projects <i>IIT Kanpur</i> : Delivered lectures and workshops with more than 300 attendees/participants on hobbyist electronics. Mentored 8 summer hobby projects	
OUTREACH ACTIVITY	Physics at Work, Cambridge	2023
	Southampton Science and Engineering Festival	2022
	Macneil Park Family Earth Fair	2018
	Sci-Ed Innovators STEM Expo	2018
	NYU Tandon School of Engineering Research Expo	2018
	Clara Burton High School	2017

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