

## Kevin Jose

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CONTACT INFORMATION	Aldershvilevej 16 6950 Ringkøbing Denmark	+44-7946-033867 <a href="mailto:K.Jose@soton.ac.uk">K.Jose@soton.ac.uk</a> , <a href="mailto:kevjose@gmail.com">kevjose@gmail.com</a>
RESEARCH INTERESTS	Mechanical Vibrations, Musical Acoustics, Solid Mechanics	
WORK EXPERIENCE	<b>University of Southampton</b> , Southampton, UK	
	PhD student & Marie Sklodowska-Curie Fellow	May 2019 -
	<ul style="list-style-type: none"><li>• Researching effect of structural periodicity in mechanical wave propagation characteristics</li><li>• Industrial applications of the aforementioned will be explored at Vestas-Aircoil, Denmark</li></ul>	
	<b>Boston Consultancy Group</b> , Gurgaon, India	
	Specialist Consultant	Nov 2018 - May 2019
	<ul style="list-style-type: none"><li>• Worked on a profit turnaround program for one of India's largest steel manufacturers</li><li>• Focused on de-bottlenecking of finishing operations at the world's largest rail mill</li><li>• Wrote a Python based code to collect and summarize defect occurrence in the final product. This was later deployed at the plant for use in maintenance planning and execution.</li></ul>	
	<b>New York University Tandon School of Engineering</b> , Brooklyn, USA	
	Ph.D. Candidate, Mechanical Engineering	Aug 2017 - Oct 2018
	<ul style="list-style-type: none"><li>• Conducted research in the areas of electro-active materials (results published in Appl. Phys. Lett.) and wearable assistive technology</li><li>• Served as teaching assistant for two semesters for an undergraduate course</li><li>• Received Best PhD Qualifying Exam Performance Award from the dept.</li></ul>	
EDUCATION	<b>Indian Institute of Technology Kanpur</b> , Kanpur, India	
	B.Tech.-M.Tech. Dual Degree, Mechanical Engineering with a minor in control systems engineering	Jul 2012 - Aug 2017
	<ul style="list-style-type: none"><li>• Masters Thesis: Vibration of circular membranes backed by taut strings. (Results published in J. Acoust. Soc. Am.)</li><li>• Advisors: Prof. Anurag Gupta, Prof. Saikat Ghosh</li></ul>	
INDUSTRIAL SECONDMENTS	<b>Vestas aircoil A/S</b> , Lem, DK	
	Visiting PhD student	Jan 2020 -
	<ul style="list-style-type: none"><li>• Part of the R&amp;D dept</li></ul>	
	<b>Dinex A/S</b> , Middelfart, DK	
	Visiting PhD student	Oct 2020 - Nov 2020
	<ul style="list-style-type: none"><li>• Worked with the Product Development team</li><li>• Conducted structural FE analysis of an exhaust system sub-component</li></ul>	

SUMMER INTERNSHIPS	<b>Singapore University of Technology and Design</b> , Upper Changi, Singapore	
	Visiting Student	May 2016 - July 2016
	<ul style="list-style-type: none"> <li>Received training in soft material robotics design and fabrication</li> </ul>	
	<b>Whirlpool Global Technology &amp; Engineering Center</b> , Pune, India	
	Summer Intern	May 2015 - July 2015
	<ul style="list-style-type: none"> <li>Proposed a mathematical model of a dishwasher</li> <li>Received Best Intern Award</li> </ul>	
REFEREED JOURNAL PUBLICATIONS	1. 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 (*Co-first authors)	
	2. <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	
CONFERENCE PROCEEDINGS	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.	
AWARDS, FELLOWSHIPS & SCHOLASTIC ACHIEVEMENTS	<b>Marie Skłodowska-Curie Fellow ITN</b>	
	Awarded by University of Southampton.	2019
	<b>Best Mechanical Engineering PhD Qualifying Exam Performance</b>	
	Awarded by NYU Tandon School of Engineering.	2018
	<b>School of Engineering Fellowship</b>	
	Awarded by NYU Tandon School of Engineering.	2017
	<b>Best Intern Award</b>	
	Awarded by Whirlpool Global Technology & Engineering Center, Pune.	2015
	<b>Merit-cum-Means Scholarship</b>	
	Awarded by IIT Kanpur.	2014
	<b>IIT-Joint Entrance Exam All India Rank 792</b>	
	amongst ~0.47 million candidates (99.8%ile).	2012
	<b>KVPY Fellowship Award</b> (Declined)	
	National fellowship for students interested in research careers.	2012
	Awarded by the Government of India & Indian Institute of Science, Bangalore.	

PROFESSIONAL TRAININGS	<b>FEA Best Practices</b> <a href="#">[Certificate]</a> Self paced video course (16 Learning Hours)	2020
	<b>ANSYS Mechanical Basic Structural Non-Linearities</b> <a href="#">[Certificate]</a> Self paced video course (16 Learning Hours)	2020
	<b>Introduction to Ansys SpaceClaim Direct Modeler for FEA</b> <a href="#">[Certificate]</a> Self paced video course (12 Learning Hours)	2020
	<b>ANSYS Mechanical Getting Started</b> <a href="#">[Certificate]</a> 2 Day training on ANSYS workbench	2020
	<b>IHS ESDU</b> 2 Day training on IHS ESDU design solutions	2020
RELEVANT GRADUATE COURSES	Applied Numerical Methods, Optimization Methods in Engineering Design, Approximate Methods in Engineering Mathematics, Wave Propagation in Solids, Stochastic Calculus, Biostatistics	
TEACHING EXPERIENCE	<b>Teaching Assistant</b> NYU Tandon School of Engineering	
	• ME-UY 3211: Mechanics of Materials Laboratory	Spring 2018
	• ME-UY 3211: Mechanics of Materials Laboratory	Fall 2017
	IIT Kanpur	
	• ESO 202A/204: Mechanics of Solids • MSO 202A: Complex Analysis	Spring 2017 Fall 2016
TECHNICAL SKILLS	<b>Programming Languages:</b> MATLAB, Python, ANSYS APDL, R <b>Softwares:</b> Mathematica, AutoCAD, Autodesk Inventor, ANSYS Mechanical <b>Development Platforms:</b> Arduino, Raspberry Pi <b>Electronics:</b> AVR $\mu$ Cs, PCB design and fabrication <b>Rapid Prototyping:</b> 3D printing, Laser Cutting <b>Soft Robotics Fabrication:</b> Mold Design, Casting	
MENTORING EXPERIENCE	<b>NYU Tandon School of Engineering, Brooklyn, NY, USA</b> Mentored 2 undergraduate student and 1 masters student in their summer projects	
	<b>Electronics Club, IIT Kanpur, Kanpur, UP, India</b> Delivered lectures and workshops with more than 300 attendees/participants on hobbyist electronics. Mentored 8 undergraduate summer projects.	

Last updated on November 20, 2020