Kevin Jose ***CV***

CONTACT INFORMATION

Aldershvilevej 16
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WORK EXPERIENCE

University of Southampton, Southampton, UK

Marie Sklodowska-Curie Fellow & PhD student — May 2019 -

Boston Consultancy Group, Gurgaon, India

Specialist Consultant — Nov 2018 - May 2019

New York University Tandon School of Engineering, Brooklyn, USA

School of Engineering Fellow & PhD candidate — Aug 2017 - Oct 2018

EDUCATION

Indian Institute of Technology Kanpur, Kanpur, India

B.Tech.-M.Tech. Dual Degree, Mechanical Engineering with a minor in control systems engineering — Jul 2012 - Aug 2017

REFEREED JOURNAL PUBLICATIONS

1. Bhaskar A., and **Jose K.** "How far does a fold go?" *Extreme Mechanics Letters* 45 (2021): 101261
2. Boldini A.*, **Jose K.***, Cha Y., and Porfiri M. "Enhancing the deformation range of ionic polymer metal composites through electrostatic actuation." *Applied Physics Letters* 112.26 (2018): 261903 (*Co-first authors)
3. **Jose, K.**, Chatterjee, A., and Gupta, A. "Acoustics of Idakkā: An Indian Snare Drum with Definite Pitch." *The Journal of the Acoustical Society of America* 143.5 (2018): 3184-3194

CONFERENCE PROCEEDINGS

1. Boldini, A., **Jose K.**, Cha Y., and Porfiri M. "Electrostatic actuation in ionic polymer-metal composites." In *Nano-, Bio-, Info-Tech Sensors and 3D Systems III*, vol. 10969, p. 1096910. International Society for Optics and Photonics, 2019.

TALKS

EUROMECH Colloquim 626, *Keele University*, Online — 2021
Branched flow of flexural waves in random elastic plates

Elasticity Day, *Isaac Newton Institute*, Online — 2021
Persistence behaviour of an elastic strip folded on its edge: the role of twist & Poisson's coupling *(with Prof. A. Bhaskar)*

Applied Math Seminar, *University of Southampton*, Online — 2021
Branched flow of flexural waves in random elastic plates

Professional Service

Reviewer
for The European Physical Journal Plus (Springer). IF (2020) ∼ 3.91. Aug 2021

Organizer
of the InDEStruct Workshop. ∼70 attendees. Sept 2021

Industrial Secondments

Vestas aircoil A/S, Lem, DK
Visiting PhD student Jan 2020 - Sept 2021

Dinex A/S, Middelfart, DK
Visiting PhD student Oct 2020 - Nov 2020

Summer Internships

Sigapore University of Technology and Design, Upper Changi, Singapore
Visiting Student May 2016 - July 2016

Whirlpool Global Technology & Engineering Center, Pune, India
Summer Intern May 2015 - July 2015

Awards, Fellowships & Scholastic Achievements

Marie Sklodowska-Curie Fellow ITN
Awarded by University of Southampton. 2019

Best Mechanical Engineering PhD Qualifying Exam Performance
Awarded by NYU Tandon School of Engineering. 2018

School of Engineering Fellowship
Awarded by NYU Tandon School of Engineering. 2017

Best Intern Award
Awarded by Whirlpool Global Technology & Engineering Center, Pune. 2015

Merit-cum-Means Scholarship
Awarded by IIT Kanpur. 2014

IIT-Joint Entrance Exam All India Rank 792
amongst ∼0.47 million candidates (99.8%ile). 2012

KVPY Fellowship Award (Declined)
National fellowship for students interested in research careers. 2012
Awarded by the Government of India & Indian Institute of Science, Bangalore.

Professional Trainings

FEA Best Practices [Certificate]
Self paced video course (16 Learning Hours) 2020

ANSYS Mechanical Basic Structural Non-Linearities [Certificate]
Self paced video course (16 Learning Hours) 2020

Introduction to Ansys SpaceClaim Direct Modeler for FEA [Certificate]
Self paced video course (12 Learning Hours) 2020

ANSYS Mechanical Getting Started [Certificate]
2 Day training on ANSYS workbench 2020

IHS ESDU
2 Day training on IHS ESDU design solutions 2020

Workshops/ Summer Schools Attended

Optimization of Shape and Material Properties: Advanced Mathematical Methods and 3D Printing [Certificate]
organized by CISM, Udine (Online) 2021

Metamaterial in Acoustics, Elastodynamics and Electromagnetism [Certificate]
organized by CISM, Udine (Online) 2021

Summer School on Asymptotics of PDEs and Modelling of Waves
funded by QJMAM (Online) 2021

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

Teaching Assistant

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 Spring 2017
- MSO 202A: Complex Analysis Fall 2016

Technical Skills

Programming Languages: MATLAB, Python, ANSYS APDL, R
Softwares: Mathematica, AutoCAD, Autodesk Inventor, ANSYS Mechanical
Development Platforms: Arduino, Raspberry Pi
Electronics: AVR μCs, PCB design and fabrication
Rapid Prototyping: 3D printing, Laser Cutting
Soft Robotics Fabrication: Mold Design, Casting

Mentoring Experience

NYU Tandon School of Engineering, Brooklyn, NY, USA

Mentored 2 undergraduate student and 1 masters student in their summer projects

Electronics Club, IIT Kanpur, Kanpur, UP, India

Delivered lectures and workshops with more than 300 attendees/participants on hobbyist electronics. Mentored 8 undergraduate summer projects.

Last updated on October 4, 2021