P V DILEEP BHUMIREDDI

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OBJECTIVE

Seeking a responsible post of lecturer for giving the practical knowledge which makes the student's career progressive.

EDUCATION

PhD (Thesis submitted.), Electrical Engineering
Indian Institute of Technology Kharagpur, West Bengal, INDIA
Thesis - Sparse recovery based image reconstruction algorithms for diffuse optical tomography
Supervisor: Prof. P.K. Dutta

Master of Technology, Information Technology (Robotics)
Indian Institute of Information Technology, Allahabad
Master Thesis Project - Development of localization system for mobile robots
Supervisor: Prof. G.C. Nandi
Cgpi: 8.4/10

Bachelor of Engineering, Electronics and Communication Engineering
Aditya Engineering college, Andhra pradesh
Bachelor Thesis Project - Digital water marking for video piracy detection
Supervisor: Prof. Ch. Srinivas rao
Percentage: 69.08

Higher Secondary, Intermediate
Percentage: 83.7

PROFESSIONAL EXPERIENCE

Worked as an assistant professor in Aditya engineering college from 2011-2012.

LIST OF SUBJECTS TAUGHT

- Signals and system
- Microwave engineering
- Electronics measurement and instrumentation

PROGRAMMING LANGUAGES

C, matlab.

AREAS OF INTEREST

Optical imaging, inverse problems, compressive sensing.

PUBLICATIONS

- B.P.V. Dileep, Tapan Das, and Pranab K. Dutta, "Greedy algorithms for diffuse optical tomography reconstruction," *Optics Communications,* Elsevier, 2018, vol. 410, pp. 164-173.
- B.P.V. Dileep, Tapan Das, and Pranab K. Dutta, "Modified CS-MUSIC for diffuse optical tomography using joint sparsity," *Optik,* Elsevier, 2018, vol. 158, pp. 1478-1490.
- B.P.V. Dileep, Tapan Das, and Pranab K. Dutta, "Sparse recovery algorithms for estimating inclusion in semitranslucent solids," Submitted to the *IEEE Transactions on Instrumentation and Measurement* (under review).
- B.P.V. Dileep, Tapan Das, and Pranab K. Dutta, "Subspace based CS-MUSIC for diffuse optical tomography," Presented in twenty-fourth *national conference on communications (NCC),* IEEE, 2018.
- Tapan Das, B.P.V. Dileep, and Pranab K. Dutta, "Generalized curved beam back-projection method for near-infrared imaging using banana function," *Applied optics,* OSA, 2018, vol. 57, pp. 1838-1848.
- Tapan Das, B.P.V. Dileep, and Pranab K. Dutta, " Generalized curved beam back-projection method for 3D diffuse optical tomography," Submitted to the *JOSA A* (under review).

ACHIEVEMENTS

- Qualified all India GATE in 2008 appeared in ECE branch with 94.57 percentile.
- Ratified by jntuk university.

INTERESTS

Cricket, cycling, swimming, reading.

DECLARATION

I hereby declare that all the above information is true to the best of my Knowledge and belief.

B.P.V. Dileep