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 , 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.
- Working as an assistant professor in gayatri vidya parishad college of engineering for women since 2018.

LIST OF SUBJECTS TAUGHT

- Signals and system
- Microwave engineering
- Electronics measurement and instrumentation
- Biomedical engineering
- Basic electronics and devices

PROGRAMMING LANGUAGES

C, matlab.

AREAS OF INTEREST

Optical imaging, inverse problems, compressive sensing.

PUBLICATIONS

1. 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.
2. 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.
3. 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.
4. B.P.V. Dileep, Pranab K. Dutta, PMK Prasad, and M.Santhosh “Sparse recovery based compressive sensing algorithms for diffuse optical tomography," Optics and Laser Technology, Elsevier, 2020, vol. 128, pp. 16234.
5. 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.

FDPs Attended

1. Participated in the online Faculty Development Programme on “ Machine Leaning for Internet of Things” organized by Electronics & ICT Academy supported by Ministry of Electronics and Information Technology(MeitY), Govt.of India, IIT Gawahati from 26-31 July 2021 in association with KKR and KSR Institute of Technology & Sciences, Guntur, Andhra Pradesh.
2. Successfully completed One Week Online National Level FDP on “Computational Intelligence & Its Applications (CI&A-2021) during 16th -21st August 2021, organized by KSRM College of Engineering, Kadapa, Andhra Pradesh.

Webinars Attended

1. Attended a webinar on“Computational Intelligence Industrial IoT & AI/ML Job Opportunities organised by the Department of Electronics and Communication Engineering of GVPCEW in association with RUGGEDBOARD and PHYTEC Embedded Pvt.Ltd. on 24th Septemeber, 2020.

ACHIEVEMENTS

1. Qualified all India GATE in 2008 appeared in ECE branch with 94.57 percentile.
2. 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