

Profile Page



Name : Dr Lalatendu Behera
Designation : Assistant Professor (Grade-II)
Department : Computer Science & Engg.
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Research Interests :

Scheduling theory, Real-time and safety-critical system design, Mixed-criticality systems

Other Profile Links :

Google Scholar Link :

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Personal Web Link :

Personal website [Click Here](#)

Journal Publications :

Year	Journal	Publication
2021	Computing, Springer, 104 (3), 577-599	Lalatendu Behera, A fault-tolerant time-triggered scheduling algorithm of mixed-criticality systems
2019	Design Automation for Embedded Systems, 24 (2), 79-109	L. Behera and P. Bhaduri, An energy-efficient time-triggered scheduling algorithm for mixed-criticality systems
2017	ACM Transactions on Design Automation of Electronic Systems, Vol. 22, Issue 4, 74.1 - 74.25	L. Behera and P. Bhaduri, Time-Triggered Scheduling of Mixed-Criticality Systems

Conference Publications :

Year	Conference	Publication
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2022	International Conference on Distributed Computing and Internet Technology, LNCS, Vol. 13145	Lalatendu Behera, MCDPS: An Improved Global Scheduling Algorithm for Multiprocessor Mixed-Criticality Systems
2018	International Conference on Distributed Computing and Internet Technology, LNCS, Vol. 10722	L. Behera and P. Bhaduri, Time-Triggered Scheduling for Multiprocessor Mixed-Criticality Systems

Events Organized :

Category	Type	Title	Venue	From	To	Designation
STC	International	Formal Verification of Cyber-physical Systems: Opportunities and Challenges	Department of CSE, NIT Jalandhar	11-09-2020	15-09-2020	Coordinator
FDP	International	Cloud Computing and Its Applications: Opportunities and Challenges	Department of CSE, NIT Jalandhar	16-12-22	20-12-22	Coordinator

Professional Affiliations :

Designation	Organization
Member	IEEE

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Ms. Harshita Singh	Real-time Scheduling Theory	Course Work Completed	2022	
Mr. Rishi Muni Pandey	Real-time Scheduling Theory	Course Work	2022	
Ms. Priyanka Mitra	Scheduling in Mixed-criticality Systems	Course Work Completed	2021	
Mr. Sreenu Banoth	Real-time Scheduling Theory	Course Work Completed	2020	
Mr. Manish Kumar Sharma	Image Processing using Machine Learning	Course Work Completed	2020	

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Mr. Prasoon Singh	Yet to be decided	Continuing	2023	
Ms. Shefali Bajaj	Yet to be decided	Continuing	2023	
Mr. Shivam Chauhan	Yet to be decided	Continuing	2023	
Mr. Rishi Muni Pandey	Non-preemptive Scheduling Algorithm for Mixed-criticality Systems	Completed	2022	
Ms. Aditi Anand	Indian Stock Trend Forecasting using Sentiment Analysis and Deep Neural Networks	Completed	2022	

Mr. Lalit Kumar Singh	A fault-tolerant time-triggered scheduling algorithm for mixed-criticality systems	Completed	2021	
Mr. Anurag Anand	An energy-efficient time-triggered scheduling algorithm for multiprocessor mixed-criticality systems	Completed	2021	