

Profile Page



Name : Dr Kuldeep Kumar
Designation : Assistant Professor
Department : Computer Science & Engg.
Qualification : PhD CSE (National University of Singapore (NUS), Singapore)
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Research Interests :

Software Engineering, Machine Learning, Data Analytics, Program Comprehension, IT Project Management

Journal Publications :

Year	Journal	Publication
2018	Computers and Electrical Engineering, Elsevier, 67(2018) 15–24	G. R. Choudhary, S. Kumar, Kuldeep Kumar, A. Mishra, C. Catal, "Empirical Analysis of Change Metrics for Software Fault Prediction"
2017	Multimedia Tools and Applications, Springer, Volume 76, Issue 18, pp 18657–18686.	S. Shrivastav, S. Kumar, Kuldeep Kumar, "Towards an Ontology based Framework for Searching Multimedia Contents on the Web"
2016	Computer Science and Information Systems (ComSIS), Vol. 13, No. 3, pp. 731–758	S. Jarzabek, Kuldeep Kumar, "On Interplay between Separation of Concerns and Genericity Principles: Beyond Code Weaving"
2016	Annals of Computer Science and Information Systems (ACSIS), IEEE, Volume 8, pp. 1727–1736. 2016.	Kuldeep Kumar, S. Jarzabek, D. Daniel, "Managing Big Clones to Ease Evolution: Linux Kernel Example"

Conference Publications :

Year	Conference	Publication
2018	32nd International Conference on Information Networking (ICOIN-2018), Thailand, 556-561	V. Maheshwari, A. Bhatia, Kuldeep Kumar, "Faster Detection and Prediction of DDoS attacks using MapReduce and Time Series Analysis"
2016	6th NSF/TCPP Workshop on Parallel and Distributed Computing Education (EduPar-16), in conjunction with 30th IEEE International Parallel & Distributed Processing Symposium (IPDPS-2016), USA, 1-2	Kuldeep Kumar, "Research-oriented Multi-course Integration of PDC Topics from TCPP Core Curriculum at Undergraduate level"

2015	5th NSF/TCPP Workshop on Parallel and Distributed Computing Education (EduPar-15), in conjunction with 29th IEEE International Parallel & Distributed Processing Symposium (IPDPS-2015), India, 1-2	S. Kumar, Kuldeep Kumar, "Research-oriented Teaching of PDC Topics in Integration with Software Engineering and Computer Networks Courses"
2014	2014 ACM SIGPLAN conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH-2014), Portland, Oregon, USA, 55-56	Kuldeep Kumar, S. Jarzabek, "Detecting Design Similarity Patterns Using Program Execution Traces"
2014	2014 IEEE International Conference on Software Maintenance and Evolution (ICSME-2014), Victoria, BC, Canada, pp. 664–664,	Kuldeep Kumar, S. Jarzabek, "Detecting Collaborative Patterns in Programs"
2014	2014 Asian Symposium on Programming Languages and Systems (APLAS-2014), Singapore, pp. 1–2,	Kuldeep Kumar, S. Jarzabek, D. Daniel, "ART: a Meta-programming Language for Configuring Variants in Software"

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Co-PI		Course developed "Principles of Programming Languages" under Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning	MHRD	2016	2017	7 Lakh	Completed	
		CCDA: Tool support for Detecting and Analyzing High-level Code Clones in Software to re-engineer legacy systems for Reuse	SERB-DST	2019	2022	16.21 Lakhs	Ongoing	

Professional Affiliations :

Designation	Organization
Member, Elsevier Advisory Panel.	

Member, McGraw-Hill Education Advisory Panel	
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Patents :

Name	Reg./Ref. No.	Date of Award/Filing	Organization	Status
Number of Patents Published: 02				

Award and Honours :

Title	Activity	Given by	Year
Nominated as International biographical Centre Man of the Year 2017, Cambridge, UK.			
Inclusion in the IBC's Top 100 Scientists 2017, International biographical Centre, Cambridge, UK.			
Sanctioned NSF/Intel Travel Grant for EduPar-16, EduPar-15			
Early Adopter Award by CDER, USA for Fall 2015			
Best Research Paper Award, KKIO-2015			
NUS PG Travel Grant for SPLASH-2014, ACM SIGPLAN Student Grant for SPLASH-2014			
Travel Grant for ICSME-2014.			