Curriculum Vitae



G.R. Gangadharan is working as an Associate Professor in the National Institute of Technology (NIT), Tiruchirappalli. His research interests are mainly located on the interface between technology and business perspectives. He has received Ph.D. degree in Information and Communication Technology from the University of Trento, Trento, Italy and European University Association. He is a Senior Member of IEEE and ACM.

1. Name Dr. G. R. GANGADHARAN

- 2. Designation: ASSOCIATE PROFESSOR
- 3. Office Address: Department of Computer Applications, NIT, Tiruchirappalli
- 4. Telephone (Direct) (Optional):

Telephone : 0431-2503737

Mobile (Optional):

- 5. Email (Primary): ganga@nitt.edu Email (Secondary) : geeyaar@gmail.com
- 6. Field(s) of Specialization: Internet Technologies (Cloud / Edge Computing), Energy Informatics, Big Data Analytics

Job Title	Employer	From	То
Associate Professor	Institute for Development and Research in Banking Technology (IDRBT), Hyderabad	Feb. 2016	May 2018
Assistant Professor	Institute for Development and Research in Banking Technology (IDRBT), Hyderabad	Sept. 2011	Jan. 2016
Researcher	IBM Research, India	Nov. 2010	Aug. 2011
Postdoc Researcher	Politecnico di Milano, Milan, Italy	Mar. 2010	Aug. 2010
Researcher	Novay (Telematica Institute), Enschede, Netherlands	Jun 2008	Feb. 2010
Postdoc Researcher	University of Trento, Trento, Italy	Nov. 2007	May 2008

7. Employment Profile

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	University of Trento, Italy	2008		Info. & Communication Technology
M.S.	Scoula Superiore Sant'Anna, Pisa, Italy	2004	First	Information Technology
M.Sc.	M.S. University, Tirunelveli	1999	First	Computer Science
B.Sc.	M.S. University, Tirunelveli	1997	First	Computer Science
HSC	Board of Hr. Sec. Examinations, Tamilnadu	1994	First	Mathematics, Physics, Chemistry and Biology
SSLC	Board of Sec. Education, Tamilnadu	1992	First	Mathematics, Science, and Social Science

8. Academic Qualifications (From Highest Degree to High School):

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/	From	То
	Centre/Institution		
Placement Coordinator	IDRBT	April 2016	May 2018
R&D Coordinator	IDRBT	Jan. 2014	May 2018
PGDBT Academics Coordinator	IDRBT	April 2017	May 2018
M.Tech. Coordinator	IDRBT	Aug. 2014	April 2017
Coordinator – International Initiatives	IDRBT	Dec. 2014	May 2018
Associate Dean (International	NIT Trichy	March 2021	Till Date
Relations)			

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	То

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding	From	То
		Organization	(Month/Year)	(Month/Year)

- 13. Details of Academic Work
 - (i) Curriculum Development
 - Masters level courses on Internet Technologies, E-Commerce and Payment Systems, Data Engineering, Big Data Analytics, Cloud Computing
 - (ii) Courses taught at Postgraduate levels
 - E-Commerce and Payment Systems
 - Database Management Systems
 - Software Engineering
 - Information Systems
 - Big Data Analytics
 - Cloud computing
 - Distributed Systems

(iii)Projects guided at Postgraduate level: 23 M.Tech. Projects Guided

(iv)Other contribution(s)

14. Details of Major R&D Projects

		Dura	tion	Status
Title of Project	Funding Agency	From	То	Ongoing/
				Completed
ML/AI Hardware/Software	ISRO	Oct.	Sep.	Ongoing
framework for Vyomnoids		2021	2024	
NLP/Embeddings and	Conde Nast India Pvt. Ltd.	Nov.	Oct.	Ongoing
Reinforcement Learning		2021	2024	
Digital Health Records	DST - SPARC	June	Sep.	Ongoing
Storage and Analysis for		2019	2022	
Healthcare Provisioning of				
Global Patients				
Next Generation Smart Data	Netherlands Organisation	Oct.	Sept.	Completed
Centers	for Scientific Research	2015	2019	
	(NWO), Government of			
	Netherlands			
Data Security in Cloud	IBM International Shared	Apr.	Mar.	Completed
Services	University Research	2014	2015	
	(SUR), United States of			
	America			
Security Architecture for	IBM India University	Dec.	Nov.	Completed
Banking Cloud Services	Relations	2012	2013	

15. Number of PhDs guided

Name of the PhD	Title of PhD Thesis	Role(Supervisor/	Year of
Scholar		Co-Supervisor)	Award
Gopal Narayan	Modeling and Verification of Web	Supervisor	2017
Rai	Services using Recursive Composition		
	Algebra		
Deepnarayan	Authenticated Secure Data Sharing	Supervisor	2018
Tiwari	and Storage in Cloud Computing		
Chandrashekar	QoS aware Service Composition using	Supervisor	2018
Jatoth	Computational Intelligence Methods		
Dinesh Reddy	Energy Efficient Data Center	Supervisor	2019
Vemula	Management Strategies		
Lavanya	A Study on the Significance of	Supervisor	Thesis
Settipalli	Unsupervised Learning and		Submitted on
	Blockchain in Healthcare Fraud		March 2022
	Detection and Prevention		

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of	Level of	Role (Participant/	Event	Venue
	Activity	Event	Speaker/	Organized by	
		(International/	Chairperson,		
		National/	Paper presenter,		
		Local)	Any other)		
Aug. 28-31	Master	International	Participant	Indian School	ISB,
& Sept. 26-	Teacher			of Business,	Hyderabad
28, 2014	Programme			Hyderabad	
Dec. 03-08,	E-Learning	National	Participant	UGC	JNTU,
2012				Academic	Hyderabad
				Staff College	
Nov. 23-	Artificial	National	Participant	ABV - IIITM	Online
27, 2020	Intelligence			Gwalior	(ATAL
					Academy)
Jan. 11-15,	Block	National	Participant	Indian	Online
2021	Chain			Institute of	(ATAL
				Technology	Academy)
				Ropar	-

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event	Date (s)	Role	Venue
	(International /			
	National /			
	Local)			
2 nd IDRBT Doctoral	National	Dec. 20-21,	Organizing	Hyderabad,
Colloquium		2012	Coordinator	India
3 rd IDRBT Doctoral	National	Dec. 16-17,		Hyderabad,
Colloquium		2013	Coordinator	
4 th IDRBT Doctoral	National	Dec. 11-12,		Hyderabad,
Colloquium		2014	Coordinator	India
International Conference on	International	Jan. 04-07,	Organizing	Hyderabad,
Distributed Computing and		2017	Chair	India
Networking (ICDCN 2017)				
Symposium on IT in Practice	International	July 23- 27,	Program	Tokyo, Japan
(ITiP) (COMPSAC 2018)		2018	Chair	
Cloud and Edge Computing	International	Dec. 16-20,	Organizing	NIT Trichy
for Big Data Analytics (with		2019	Coordinator	
a focus on Healthcare)				
Computing Models and Data	International	April 12-16,	Organizing	NIT Trichy
Analytics		2021	Coordinator	-
National Conference on	National	April 30,	Organizing	NIT Trichy
Business Management and		2021	Secretary	
Analytics			-	
KARYASHALA: Statistical	National	Dec. 06-12,	Organizing	NIT Trichy
Modeling & Computational		2021	Coordinator	2
Intelligence				
FPGA Based SoC Design	National	Dec. 27-31,	Organizing	NIT Trichy
Targeted for Implementing		2021	Coordinator	5
AI/ML Algorithms				
National Conference on	National	January 28-	Organizing	NIT Trichy
Business Management and		29, 2022	Secretary	
Analytics		7 -	5	
GIAN: Artificial Intelligence	International	April 18-22,	Organizing	NIT Trichy
for Social Media Content		2022	Coordinator	
Extraction, Analysis, and				
Recommendation Systems				
			1	

18. Invited Talks delivered

Topic	Date	Inviting Organization
Licensing Services: Formal Analysis	Nov. 24, 2006	FBK Trento, Italy
and Implementation		
The Science of Free/Open Services	Apr. 05, 2007	Carleton Univ., Ottawa, Canada
A Formal Approach Service	July 2007	Technical Univ. of Vienna,
Licensing		Austria
Service Licensing	Oct. 16 2007	Univ of Milano, Italy
Service Licensing	Nov. 2007	Univ of Essen, Germany
Rights and Obligations Aware	April 21, 2009	Univ of Aarhus, Denmark
Services	_	
Service Level Agreements in Cloud	Nov. 25, 2009	Univ of Lugano, Switzerland
Computing		
Cloud Computing	25 Feb 2013	Dr. GRD College of Science,
		Coimbatore
Cloud Computing	26 June 2013	MRCET, Hyderabad
Big Data Analytics: Concepts & Case	24 Feb. 2021	PSNA College of Engg. &
Studies		Tech., Dindigul
Smart Health Monitoring System	17 March 2021	RGNIYD, Sriperumbudur
using IoT		
Big Data Analytics	16 Dec. 2021	CIT, Coimbatore

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Senior Member	ACM	90530299
Senior Member	IEEE	8065758

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Italy	2003 - 2008	For studying M.S. and Ph.D.
Canada	2007 (FebApr.)	Visiting Researcher
Austria	2007 (May -July)	Visiting Researcher
Croatia, Germany, Ireland,	2003 -2010	For several research papers
Denmark, Czech, USA,		presentations
Switzerland, The Netherlands		

21. Publications

(A) <u>Refereed Research Journals</u>:

Anthora	Title of Damar	Lourse 1	Volume	Dama	Veer	Immant
Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Lavanya Settipalli, G R Gangadharan, Ugo Fiore	Predictive and adaptive Drift Analysis on Decomposed Healthcare Claims using ART based Topological Clustering	Information Processing & Management (Elsevier)	59 (3)	102887	2022	
Avik Dutta, Chandrashekar Jatoth, G. R. Gangadharan, Ugo Fiore	QoS-aware big service composition using distributed co- evolutionary algorithm	Concurrency & Computation: Practice and Experience (Wiley)	33 (19)		2021	
Lavanya Settipalli, G. R. Gangadharan	Healthcare fraud detection using primitive sub peer group analysis	Concurrency & Computation: Practice and Experience (Wiley)	33 (23)		2021	
Johnpaul C. I., Munaga V. N. K. Prasad, S. Nickolas, G. R. Gangadharan	Representational primitives using trend based global features for time series classification	Expert Systems with Applications (Elsevier)	167	114376	2021	
Deepnarayan Tiwari, G.R. Gangadharan	SecAuth-SaaS: a hierarchical certificateless aggregate signature for secure collaborative SaaS authentication in cloud computing	Journal of Ambient Intelligence & Humanized Computing (Springer)	12 (12)	10539- 10563	2021	
Johnpaul C. I., Munaga V. N. K.	Fuzzy representational	Knowledge Based Systems	222	106991	2021	

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Prasad, S.	structures for	(Elsevier)				
Nickolas, G. R.	trend based					
Gangadharan	analysis of time					
	series clustering					
	and classification					
Gopal N. Rai,	Web Service	IEEE	14(1)	300-314	2021	
G. R.	Interaction	Transactions on				
Gangadharan,	Modeling and	Services				
Rajkumar Buyya	Verification Using	Computing				
	Recursive					
	Composition					
	Algebra					
Gopal N. Rai,	Model Checking	IEEE	14(3)	747-764	2021	
G. R.	Based Web	Transactions on				
Gangadharan	Service	Services				
8	Verification: A	Computing				
	Systematic	r B				
	Literature Review					
Bhattu Bhaskar,	A MapReduce-	Concurrency &	32(8)		2020	
Chandrashekar	based modified	Computation:	0=(0)			
Jatoth, G. R.	Grey Wolf	Practice and				
Gangadharan,	optimizer for	Experience				
Ugo Fiore	QoS-aware big	(Wiley)				
05011010	service	(((ICy)				
	composition					
Johnpaul C. I.,	Trendlets: A novel	Expert Systems	145		2020	
Munaga V. N. K.	probabilistic	with	115		2020	
Prasad, S.	representational	Applications				
Nickolas, G. R.	structures for	(Elsevier)				
Gangadharan	clustering the time	(Lisevier)				
Gangadinaran	series data					
Deepnarayan	ACDAS:	International	32(15)		2019	
Tiwari, Gayatri	Authenticated	Journal of	52(15)		2017	
K. Chaturvedi,	controlled data	Communication	e4072			
G. R.	access and sharing	Systems (Wiley)	C+072			
G. K. Gangadharan	scheme for cloud	Systems (whey)				
Gangaunaran						
Chandrashaltar	storage	Euturo	94	185-198	2019	
Chandrashekar	Optimal Fitness	Future	74	103-198	2019	
Jatoth, G. R.	Aware Cloud	Generation				
Gangadharan,	Service	Computer				
Rajkumar Buyya	Composition	Systems (Electrical)				
	using an Adaptive	(Elsevier)				
	Genotypes					
	Evolution based					
	Genetic Algorithm					

	0 1 1 7	a .			0010
Chandrashekar	Optimal fitness	Swarm and	44	pp.	2019
Jatoth, G. R.	aware cloud	Evolutionary		1073-	
Gangadharan,	service	Computation		1091	
Ugo Fiore	composition using	(Elsevier)			
	modified invasive				
	weed optimization				
Siva Kumar	QoS-aware cloud	Future	90	рр. 273-	2019
Gavvala,	service	Generation		290	
Chandrashekar	composition using	Computer			
Jatoth, G. R.	eagle strategy	Systems			
Gangadharan,		(Elsevier)			
Rajkumar Buyya					
Johnpaul C. I.,	General	Data and	122	pp. 159-	2019
Munaga V. N. K.	representational	Knowledge		180	
Prasad, S.	automata using	Engineering			
Nickolas, G. R.	deep neural	(Elsevier)			
Gangadharan	networks				
Chandrashekar	SELCLOUD: a	Soft Computing	23(13)	pp.	2019
Jatoth, G. R.	hybrid multi-	(Springer)	. ,	4701-	
Gangadharan,	criteria decision-			4715	
Ugo Fiore,	making model for				
Rajkumar Buyya	selection of cloud				
	services				
V. Dinesh Reddy,	Energy-aware	Soft Computing	23(6)	pp.	2019
G. R.	virtual machine	(Springer)	~ /	1917-	
Gangadharan,	allocation and			1932	
Subrahmanya	selection in cloud				
Rao	data centers				
Chandrashekar	QoS-aware Big	Future	86	1008-	2018
Jatoth, G.R.	Service	Generation		1018	
Gangadharan,	composition using	Computer			
Ugo Fiore,	MapReduce based	Systems			
Rajkumar Buyya	Evolutionary	(Elsevier)			
5 55**	Algorithm with				
	Guided Mutation				
Deepnarayan	SecCloudSharing:	Int. Journal of	31 (5)		2018
Tiwari, G. R.	Secure data	Communication			
Gangadharan	sharing in public	Systems			
	cloud using	(Wiley)			
	ciphertext policy				
	attribute based				
	proxy re-				
	encryption with				
	revocation				
Vemula Dinesh,	Metrics for	IEEE	2 (3)	290-303	2017
Brian Setz,	Sustainable Data	Transactions on	<u>\-</u> /		
			1	1	

0 1 1		0			
Subrahmanya	Centers	Sustainable			
Rao, G R		Computing			
Gangadharan,					
Marco Aiello			70 (1)		
G.R.	Open Source	IEEE Computer	50 (1)	66-70	2017
Gangadharan	Solutions for				
	Cloud Computing				
Chandrashekar	Computational	IEEE	10 (3)	475-492	2017
Jatoth, G.R.	Intelligence based	Transactions on			
Gangadharan,	QoS-aware Web	Services			
Rajkumar Buyya	Service	Computing			
	Composition: A				
	Systematic				
	Literature Review				
Chandrashekar	Evaluating the	Soft Computing	21 (23)	7221-	2017
Jatoth, G.R.	efficiency of	(Springer)		7234	
Gangadharan,	cloud services				
Ugo Fiore	using modified				
	data envelopment				
	analysis and				
	modified super-				
	efficiency data				
	envelopment				
	analysis				
M. Verma, G.R.	Dynamic	Concurrency	28 (17)	4429-	2016
Gangadharan,	Resource Demand	and	× ,	4442	
N.C. Narendra,	Prediction and	Computation:			
R.Vadlamani,	Allocation in	Practice and			
L.Ramachandran,	Multi-tenant	Experience			
V. Inamdhar, R.	Service Clouds	(Wiley)			
N. Calheiros,					
Rajkumar Buyya					
Deepnarayan	Secure Delegation	International	3 (4)	291-318	2016
Tiwari, G.R.	of Services	Journal of Trust	- (-)		
Gangadharan,	through Proxy	Management in			
Maode Ma	Signature with	Computing and			
	Revocation	Communications			
		(Inderscience)			
G.R.	Sourcing	International	6(1)	1-16	2016
Gangadharan,	Requirements and	Journal of			
Lorna Uden, Paul	Designs for	Systems and			
Oude Luttighuis	Software as a	Service			
2 and Latinghuis	Service	Oriented			
		Engineering			
		(IGI Global)			
Shitalkumar	Enhancing Co-	IEEE IT	17 (2)	40-45	2015
Halale, G.R.	creation Process	Professional	1, (2)		
		1101055101141	I		I I

Canadhanan	Using Casial				
Gangadharan, Lorna Uden	Using Social Media				
L. Sangavarapu,	Indian Banking	IEEE IT	16 (6)	25-32	2014
S. Mishra, A.	Community Cloud	Professional	(-)		
Williams, G.R.	-				
Gangadharan					
G.R.	Managing License	Information	14 (2)	143-154	2012
Gangadharan,	Compliance in	Systems			
Stefano De Paoli,	Free and Open	Frontiers			
Vincenzo	Source Software	(Springer)			
D'Andrea, Michael Weiss	Development				
Hong-Linh	Data Contracts for	International	7 (4)	280-295	2012
Truong, Marco	Cloud-based Data	Journal of	/ (+)	200-275	2012
Comerio, Flavio	Marketplaces	Computational			
De Paoli, G.R.	1	Science and			
Gangadharan,		Engineering,			
Schahram		(Inderscience)			
Dustdar	~				
G.R.	Service Licensing:	Journal of	5 (1)	37-59	2011
Gangadharan, Vincenzo	Conceptualization, Formalization,	Service Oriented			
D'Andrea	and Expression	Computing and Applications			
D'Andrea	and Expression	(Springer)			
Stefano De Paoli,	Toward Trust as	Journal tripleC -	9 (2)	702-714	2011
G.R.	Result: A	Cognition,			
Gangadharan,	Transdisciplinary	Communication,			
Aphra Kerr,	Research Agenda	Co-operation			
Vincenzo	for the "Future				
D'Andrea	Internet"		29 (2)	40.55	2011
G.R. Gangadharan,	Managing Copyrights and	IEEE Software	28 (2)	48-55	2011
Vincenzo	Moral Rights of				
D'Andrea	Service-Based				
	Software				
G.R.	From Legal Code	International	4 (2)	299-314	2011
Gangadharan	to Digital Code:	Journal of			
	Making Software	Private Law			
	Services Rights-	(Inderscience)			
CD	aware		12(0)	24.20	2010
G.R. Gangadharan,	Free/Open Services (F/O-	IEEE IT Professional	12 (6)	24-30	2010
Vincenzo	Services (F/O-	1 101055101121			
D'Andrea,					
Michael Weiss					
G.R.	BHive: A	Journal of	2(1)	81-110	2010
Gangadharan,	Reference	Service Science			

Paul Oude	Framework for	Research			
Luttighuis	Business-driven	(Springer)			
Luttighuis	Service Design	(Springer)			
	and Management				
G.R.	Analyzing	International	1 (2)	1-16	2010
Gangadharan,	Requirements and	Journal of	1 (2)	1 10	2010
Erwin Fielt	Approaches for	Applied			
	Sourcing Software	Logistics (IGI)			
	Based Services				
Michael Weiss,	Modeling the	Journal of the	40(1)	40-49	2010
G.R.	Mashup	R & D			
Gangadharan	Ecosystem:	Management			
-	Structure and	(Wiley)			
	Growth				
G.R.	Service	Journal of	4 (1)	1-11	2010
Gangadharan,	Orientation:	International			
Vincenzo	Licensing	Commercial			
D'Andrea	Perspectives	Law and			
		Technology			
G.R.	Understanding	Cutter IT	22		2009
Gangadharan	Service Level	Journal	(6&7)		
	Agreements for				
	Cloud Computing	T 1 1	A 11		2000
G.R.	Licensing of Open	Technology	April		2009
Gangadharan	APIs	Innovation			
		Management Review			
G.R.	Service Licensing	International	17 (3)	301-317	2008
Gangadharan, M.	Composition and	Journal of	17 (3)	501-517	2008
Weiss, V.	Compatibility	Cooperative			
D'Andrea, R.	Analysis	Information			
Iannella	7 mary 515	Systems			
		(World			
		Scientific)			
G.R.	An Introduction to	Technology	Dec.		2007
Gangadharan,	Rights Expression	Innovation			
Michael Weiss	Languages	Management			
	-	Review			
G.R.	Software	Technology	July		2007
Gangadharan	Licensing	Innovation			
		Management			
		Review			
A. Ivanyukovich,	Towards A	Journal of	9 (3)	53-62	2005
G.R.	Service-Oriented	Integrated			
Gangadharan, V.	Development	Design &			
D'Andrea, M.	Methodology	Process Science,			
Marchese		(IOS Press)			

	(B)	Conferences/	Workshops/	Sympos	sia Procee	dings (<i>Sinc</i>	e 2015)
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Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
C. I. Johnpaul, M. V. N. K. Prasad, S. Nickolas, G. R. Gangadharan, M. Aiello	An Optimal Wavelet Detailed- Coefficient Determination Using Time- Series Clustering	International Conference on Artificial Intelligence and Data Engineering (AIDE 2019)	857– 872	Artificial Intelligence and Data Engineering	Udupi, India	2019
G. S. Bopche, G. N. Rai, B. M. Mehtre, G. R. Gangadharan	Modeling and Analyzing Multistage Attacks Using Recursive Composition Algebra	International Conference on Information Systems Security (ICISS 2018)	67-87	Information Systems Security	Bangalore, India	2018
C.Verma, Dinesh Vemula, Gangadharan G.R. and Atul Negi	Energy Efficient VM Placement in Cloud Data Centers Using Modified IWD Algorithm	International Conference on Signal Image Technology and Internet-Based Systems (SITIS 2017)	13-20	Signal Image Technology / Internet Based Systems	Jaipur, India	2017
Lalit Sangavarapu, Gangadharan G.R., and Raghu Reddy	COMPAC - A Pricing Model for COmmunity Cloud	IEEE International Conference on Advances in Computing, Communications and Informatics	2033- 2039	Computing and Informatics	Manipal, India	2017
Vemula Dinesh and Gangadharan G.R.	Towards an "Internet of Things" Framework for Financial Services Sector	IEEE International Conference on Recent Advances in Information Technology	177- 181	Advances in Information Technology	Dhanbad, India	2016
Deepnarayan Tiwari and Gangadharan G.R.	Secure Sharing of Data in Cloud Computing	International Symposium on Security in Computing and Communications	24-35	Security in Computing	Kochi, India	2015

Deepnarayan	A Novel Secure	International	438-445	Computing	Kochi,	2015
Tiwari and	Cloud Storage	Conference on		and	India	
Gangadharan	Architecture	Advances in		Informatics		
G.R.	Combining	Computing,				
	Proof of	Communications				
	Retrievability	and Informatics				
	and Revocation					
Deepnarayan	Provable secure	International	2033-	Computing	Kochi,	2015
Tiwari and	protected	Conference on	2041	and	India	
Gangadharan	designated	Advances in		Informatics		
G.R. and Maode	proxy signature	Computing,				
Ma	with revocation	Communications				
~ 1) I D I	~ ~	and Informatics		~		
Gopal N. Rai	Set Partition	International	278-285	Systems,	London, UK	2015
and	and Trace based	Conference on		Networks		
Gangadharan	Verification of	Ambient		and		
G.R.	Web Service	Systems,		Technologies		
	Composition	Networks and				
Canal N. Dai	Alashusia	Technologies International	(75 (70	Crustoma	London UV	2015
Gopal N. Rai,	Algebraic		675-679	Systems, Networks	London, UK	2015
Gangadharan G.R. and Vineet	Modeling and Verification of	Conference on Ambient		and		
Padmanabhan	Web Service					
Padmanaonan	Composition	Systems, Networks and		Technologies		
	Composition	Technologies				
Chandrashekar	Fitness Metrics	International	267-277	Intelligent	Sorrento,	2015
Jatoth and	for QoS-aware	Conference on	201 211	Decision	Italy	2015
Gangadharan	Web Service	Intelligent		Technologies	itary	
G.R.	Composition	Decision		reennoiogies		
0.11.	using	Technologies				
	Metaheuristics	reemonogies				
Chandrashekar	QoS-aware	International	255-265	Intelligent	Sorrento,	2015
Jatoth and	Web Service	Conference on		Decision	Italy	
Gangadharan	Composition	Intelligent		Technologies		
G.R.	Using Quantum	Decision				
	Inspired Particle	Technologies				
	Swarm	_				
	Optimization					
Gopal N. Rai	Architectural	International	447-456	Computing,	Bhubaneswar,	2015
and	Characterization	Conference on		Networking,	India	
Gangadharan	of Web Service	Advanced		and		
G.R.	Interaction	Computing,		Informatics		
	Verification	Networking, and				
		Informatics				
	BEST PAPER					
	AWARD					

(C) Books & Monographs

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