

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Bharathidasan University	2009		Microwave Integrated Circuits-Coplanar Waveguide
M.E.	Madurai Kamraj University	1993	First Division	Microwave and Optical Engineering
B.E.	Madurai Kamraj University	1991	First Division	Electronics and Communication Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Chairman- Ph.D. & MS Admission Committee	Electronics and Communication Engineering		
Member in Centre Of Excellence	Electronics and Communication Engineering		
TEQIP Nodal Officer/ Finance	Electronics and Communication Engineering	January 2010	January 2013
Training officer	Training and Placement, NIT Trichy	January 2007	December 2010
Secretary and Treasurer	ISTE-NIT Trichy	2003	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Faculty	Raja College of Engg & Tech, Madurai, Tamil nadu	24/07/1996	18/11/1997
Faculty	VIT Vellore, Tamil nadu	03/08/1994	23/06/1996

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	OSA Best Paper Award	IONS- Asia 6 Kharagpur

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12. Fellowships

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

13. Details of Academic Work

(i) Curriculum Development:

- Novel assignments with numerical
- Introduced MCQs in internal evaluations
- Optical wireless systems, Smart Antennas, PBG Structures, WDM Optical Networks, couple of experiments in Microwave and Fiber Optics Lab.

(ii) Courses taught at Postgraduate and Undergraduate levels:

- Antennas and Wave Propagation
- Transmission lines and waveguides
- Optical Communication Systems

(iii) Projects guided at Postgraduate level:

- All Optical OFDM transmission for Passive Optical Networks
- Physical Enhanced Security Strategy Implementation in WDM PON
- Analysis of simultaneously measurement of temperature and strain using different FBG

(iv) Other contribution(s):

Life member in different reputed universities.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
RF MEMS Component (Reconfigurable antenna)	MHRD	2004	2007	Completed

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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Dr. M. Levy	Fractal concepts in optical & smart antenna	Supervisor	2014
Dr. K. Prabu	Free space optical communication	Supervisor	2014
Dr. S. Anand	RF nanotechnology	Supervisor	2015
Ms. S. Gunavathi	UWB antennas	Supervisor	2016
Ms. V. Sudha	Wireless networks	Supervisor	Ongoing
Ms. J. Jeyarani	Signal processing in FSO	Supervisor	Ongoing
Mr. K. Venkatachalam	Photonic crystal based DWDM	Supervisor	Ongoing
Mr. N. V. Rajasekhar	Antennas for future wireless applications	Supervisor	Ongoing
Ms. N. Geetha	Antennas for wireless application	Supervisor	Ongoing
Mr. M. Sasiganth	MIMO for wireless communication	Supervisor	Ongoing
Mr. M. Rajamadasamy	Photonics	Supervisor	Ongoing
Mr. Bharathreddy Gudibandi	Antennas for wireless applications	Supervisor	Ongoing
Mr. Harish Adhithya	Antennas for wireless applications	Supervisor	Ongoing

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
May 2007	TEQIP training	International	Participant	Nanyang Technological University	Singapore

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

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Research methods and LaTeX	National	20 & 21 September 2013	Co-ordinator	NIT Trichy
Recent trends in wireless networks	National	26 & 27 August 2013	Co-ordinator	NIT Trichy
Research issues and challenges in social network computing	National	4 May 2012	Co-ordinator	NIT Trichy
Research methods	National	5 & 6 August 2010	Co-ordinator	NIT Trichy
Recent trends in microwave integrated circuits	National	17 July 2010	Co-ordinator	NIT Trichy
Microwave integrated circuit component's design, layout and fabrication- an introduction	National	7 October 2006	Co-ordinator	NIT Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization
Terahertz Antenna	20/01/2014	GITAM University, Visakhapatnam
Mobile Phone Issues	12/03/2014	Kalasalingam University, Krishnankoil
Issues in Mobile Communication	15/07/2014	MepcoSchlenk Engineering College, Sivakasi
Smart Antenna	23/09/2014	Adhiparasakthi Engineering College, Melmaruvathur
Digital India	10/01/2015	Pondicherry Engineering College, Pondicherry
2 days FDP	20/01/2015	Thiagarajar College of Engineering, Madurai
National Symposium- Key note address	13/02/2015	ThanthaiPeriyar Government Institute of Technology, Vellore

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Pre NBA Talk	27/09/2016	Thiagarajar College of Engineering, Madurai
Antennas in Multifield	08/11/2016	Pondicherry Engineering College, Pondicherry
Antennas in Future wireless Communication	02/12/2016	K.L.N college of Engineering, Madurai

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	IETE	M-189092,Jan 2007
Life Member	Institution of Engineers	MIE M 125319-5, 16/06/2003
Life Member	Chartered Engineer	09/02/2001
Life Member	Society of Automotive Engineers	1997
Life Member	ISTE	LM 20034,1995

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	May 2007 (1 Month)	TEQIP Training on Millimeter wave techniques and fabrication

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
K. Venkatachalam, D. Sriram Kumar & S. Robinson	Investigation on 2D photonic crystal-based eight-channel wavelength-division demultiplexer	Springer	32		2016	
K. Venkatachalam, D. Sriram Kumar & S. Robinson	Performance analysis of 2D photonic crystal-based eight-channel	Elsevier	127	8819-8826	2016	

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	wavelength-division demultiplexer					
K. Prabu, D. Sriram Kumar	Wireless personal communications	Springer				
K. Prabu, D. Sriram Kumar, T. Srinivas	Performance analysis of FSO systems under strong atmospheric turbulence conditions using various modulation schemes	Optik	125	5573-5581	2014	
K. Prabu, D. Sriram Kumar	Outage analysis of Relay-assisted BPSK-SIM based FSO systems over strong atmospheric turbulence with pointing errors	IJCCE	3	317-320	2014	
K. Prabu, D. Sriram Kumar	BER analysis of BPSK-SIM based SISO and MIMO FSO systems in strong turbulence with pointing errors	Optik				
K. Prabu, D. Sriram Kumar	Optical Engineering	SPIE				
K. Prabu, D. Sriram Kumar	BER analysis of BPSK-SIM over MIMO free space optical communication with misalignment	Optik			2014	
K. Prabu, Shashidhar-Cheepalli, D. Sriram Kumar	Analysis of PolSK based FSO system using wavelength and time diversity over strong atmospheric turbulence with pointing errors	Elsevier	324	318-323	2014	
Sreekantan Thampy Anand and Dhamodharan Sriram Kumar	Physica E: Low-dimensional Systems and Nanostructures	Elsevier			2014	
Sreekantan	Physica E: Low	Elsevier			2014	

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Thampy Anand, Mayur Sudesh Darak and D.Sriram Kumar	dimensional Systems and Nanostructures					
S.Anand, D.sriram Kumar, Ren Jang Wu and Murthy Chavali	Graphene nanoribbon based terahertz antenna on polyimide substrate	Optik	125	5546-5549	2014	
S.Anand, Mayur sudesh Darak, and D.Sriram kumar		JCTN			2014	
S.Anand, Mayur sudesh Darak, and D.Sriram kumar and Murthy Chavali		JCTN			2014	
S.Anand, D.sriram Kumar, Ren Jang Wu and Murthy Chavali	Analysis and design of optically transparent antenna on photonic band gap structures	Optik			2014	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Srikanth S, D.Sriram kumar	Performance analysis of OFDM employing free space optical communication system	Performance analysis of OFDM employing free space optical communication system	70-74	ICECS		2015
S.Anand, D.sriram Kumar	Investigation of nanocomposites based antennas for GHZ And THZ	Investigation of nanocomposites based antennas for GHZ And THZ		IISC	Bangalore	2015
Thampy, Anand Sreekantan and Sriram Kumar Dhamodharan	Performance analysis of Mwent loaded fluorinedoped tin oxide based	Performance analysis of Mwent loaded fluorinedoped tin oxide based		APACE		2014

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	optically transparent terahertz patch antenna	optically transparent terahertz patch antenna				
Mayur Sudesh Darak, S. Anand, and D. Sriram Kumar	Bandwidth Enhancement of a patch Antenna by Loading Complementary K-shaped Artificial Magnetic Conductors in Ground Plane	Bandwidth Enhancement of a patch Antenna by Loading Complementary K-shaped Artificial Magnetic Conductors in Ground Plane		IEEE		2014
Prabu K, and Sriram Kumar D	Outage Analysis of Relay-Assisted BPSK-SIM Based FSO Systems Over Strong Atmospheric Turbulence with Pointing Errors	Outage Analysis of Relay-Assisted BPSK-SIM Based FSO Systems Over Strong Atmospheric Turbulence with Pointing Errors		ICWOC	Singapore	May 24 – 26, 2014
Sandeep Ch., Mayur Sudesh Darak, Anand S., and Sriram Kumar D				ICEECE	Chennai	May 10, 2014
Kapil Dungriyal, Anand S., and Sriram Kumar D	Performance of MIR-LMS algorithm for adaptive beam forming in smart antenna	Performance of MIR-LMS algorithm for adaptive beam forming in smart antenna		IACEECE	Chennai	April 20, 2014
Sarvesh Singh Azad, and Sriram Kumar D	BER performance comparison in demodulated schemes based on back scatter analysis of piggyback modulation for passive UHF RFID tags	BER performance comparison in demodulated schemes based on back scatter analysis of piggyback modulation for passive UHF RFID tags		ICCSME	Chennai	April 13, 2014
Shyam Prasad	Low	Low		ICCSP	Melmaruvathur	April

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Reddy D., Sudha V., Sriram Kumar D	Complexity PAPR Reduction in OFDM using Both Selective Mapping and Clipping Methods	Complexity PAPR Reduction in OFDM using Both Selective Mapping and Clipping Methods				3-5, 2014
S. Anand, Mayur Sudesh Darak, and D. Sriram Kumar	Investigations on fluorine-doped tin oxide based optically transparent E-shaped Patch Antenna for terahertz communications	Investigations on fluorine-doped tin oxide based optically transparent E-shaped Patch Antenna for terahertz communications	430-436	NIT	Calicut	2014
Mayur Sudesh Darak, S. Anand, and D. Sriram Kumar	Design and analysis of a K-shaped electromagnetic metamaterial structure	Design and analysis of a K-shaped electromagnetic metamaterial structure	289-294	NIT	Calicut	2014
Menaka Devi, N., Arthi T., Anand S., and Sriram Kumar D	Analysis and design of glass fiber based aperture coupled micro strip patch antenna for conformal antenna applications	Analysis and design of glass fiber based aperture coupled micro strip patch antenna for conformal antenna applications		NIT	Calicut	2014
Jeyarani J, and Sriram Kumar D	Relay and forward networks in Free Space Optical Communication	Relay and forward networks in Free Space Optical Communication		NIT	Calicut	2014
Anand, S., Mayur Sudesh Darak, and Sriram Kumar D				IIITM	Kerala	2014
Gunavathi N., and Sriram Kumar D	A Compact Coplanar Waveguide-fed Slot Antenna	A Compact Coplanar Waveguide-fed Slot Antenna		ICECS	Coimbatore	2014

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	for UWB Applications	for UWB Applications				
Gunavathi N., and Sriram Kumar D	A Simple CPW-fed Octagon Shaped Antenna for HiperLAN/2 and WLAN Applications	A Simple CPW-fed Octagon Shaped Antenna for HiperLAN/2 and WLAN Applications		ICECS	Coimbatore	2014
Sudha V., and Sriram Kumar D	PAPR Reduction of OFDM System using PTS method with different Modulation Techniques	PAPR Reduction of OFDM System using PTS method with different Modulation Techniques		ICECS	Coimbatore	2014
Sudha V., and Sriram Kumar D	Performance analysis of PAPR Reduction in OFDM system with Distortion and Distortion less Methods	Performance analysis of PAPR Reduction in OFDM system with Distortion and Distortion less Methods		ICECS	Coimbatore	2014

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
D. Sriram Kumar	Problems and Solutions in Probability, Random Variables and Random Signal Principles by Peyton Z. Peebles	Mc-Graw-Hill	2012	