DALIA NANDI (DAS)

W/o–Sandip Nandi,Vill: R.K.Polly, P.O.: Mallickpur, via: M.Mahinagar, Dist: South 24 Parganas, Pin - 700145, West Bengal, India.

Phone –(91)9432590439, (91) 9830382398**.**

Email Id: dalia_das311@yahoo.co.uk,

daliadas311@gmail.com

Date of Birth: 3rd November, 1979. **Sex:**Female

PRESENT STATUS:

- **Presently working as an Assistant Professor in ECE Department of Indian Institute of Information Technology (IIIT), Kalyani, West Bengal, India since September, 2017.**
- **Worked as an Assistant Professor (Senior Grade) in ECE Department of Meghnad Saha Institute of Technology, Kolkata, West Bengal, India from January, 2004 to 20th September,2017.**
- **Awarded PhD degree in Institute of Radio Physics & Electronics, University of Calcutta in the year 2014.**
- **Continuing post-PhD research in the area of Radio Wave Propagation and 5G wireless communications.**

EDUCATIONAL QUALIFICATION:

Examination Passed	Year of Passing	Name of Board / University /Institution	% of Marks	Class / Division
PHD	**2014**	***Institute of RadioPhysics and Electronics,*** University of Calcutta	-	-

M.TECH	2005	***Institute of RadioPhysics and Electronics,*** University of Calcutta	82.0	1st
B.TECH	2003	***Institute of RadioPhysics and Electronics,*** University of Calcutta	76.3	1st
B.Sc. Electronics (Hons.)	2000	*A.P.C.College* University of Calcutta	72.5	1st
Higher Secondary (10+2 Standard)	1997	West Bengal Council for Higher Secondary Education	73.8	1st
Madhyamik (Secondary)	1995	West Bengal Board of Secondary Education	83.7	1st

ACHIVEMENTS:

- **First Class First** in **B.Sc.** (Hons.).
- **University Topper** for the year 2000 from University of Calcutta.

TEACHING EXPERIENCE:

13.5 years experience as an Assistant Professor in ECE Department of Meghnad Saha Institute of Technology.

- **SubjectsTaught:**

  Microprocessor and Microcontroller, Digital Electronics, Information theory and coding, Digital communication, Wireless Communication and networking.

- **Laboratory Development:**

  Developed Advance Communication Laboratory for B.Tech and M.Tech course, which includes experimental setup for Optical fiber communication experiments, Mobile communication experiments, Satellite communication experiments.

- **Administrative Responsibilities:**

  - NBA Coordinator of ECE Department.
  - Routine Coordinator of ECE Department.
  - Member of Technical Advisory Board, Meghnad Saha Institute of Technology.
  - Class Coordinator of 3rd year, ECE Department.

- Member of Central Parent Teacher Committee, Meghnad Saha Institute of Technology.

RESEARCH EXPERIENCE:

Continuing post-PhD researchin S. K. Mitra Centre for Research in Space Environment, Institute of Radio Physics and Electronics, University of Calcutta, under different projects granted by ISRO.

➢ Post - PhD Research Activity:

Current Area of research:

Radio wave propagation, Fade Mitigation Techniques, Inter Satellite Communication, Millimetre Wave Communication, 5G Cellular Communication

Professional Activities and Memberships:

1) ***Senior Member*** of IEEE, IEEE – GRSS chapter, IEEE – COMSOC chapter.

2) ***Executive Committee Member*** of IEEE Geoscience & Remote Sensing Kolkata Chapter.

3) ***Associate Advisor*** of IEEE Communication Society Meghnad Saha Institute of Technology Student Branch Chapter.

4) ***Technical Talk*** at "Young Scientist Colloquium 2014" organized by IEEE AP-MTT Kolkata Chapter in association with IIEST, Shibpur.

5) ***Reviewer*** of:
   a) IEEE Antennas and Wireless Propagation Letters.
   b) IET Microwaves, Antennas & Propagation Journal.
   c) Indian Journal of Radio and Space Physics.
   d) Different International Conferences (IEEE, Cenet, Radio Science, etc.).

6) Organizes different IEEE workshops, Conferences and DL talks at Meghnad Saha Institute of Technology.

➢ PhD Work:

Title of the Thesis:

Development of Channel Model from Propagation Measurement over the earth-space path at frequencies above 10 GHz for Fade Mitigation Applications.

Guide:

Prof. AnimeshMaitra, Director of S. K. Mitra Centre for Research in Space Environment, Institute of Radio Physics and Electronics, University of Calcutta.

➢ List of Publications:

[A] Book:

1. **Dalia Nandi**, "Development of Channel Model from Propagation Measurements", **(ISBN 978-3-330-036116-1),** Publisher: Lambert Academic Publishing, a trademark of: Omni Scriptum GmbH & Co. German, 2017 www.lap-publishing.com.

[B] SCI Journals:

1. **D. Das**, "Development of channel model to predict rain attenuation time series useful for satellite communication link over the world", 2nd International Conference and Exhibition on Satellite &Space Missions, Berlin, Germany,July 21-23, **2016**, published in ***Journal of Aeronautical Aerospace Engineering,*** Vol.5, Issue 2, page87, 2016,dx.doi.org/10.4172/2168-9792.C1.014.

2. **D. Das** and A.Maitra. "Fade-Slope Model for Rain Attenuation Prediction in Tropical Region", ***IEEE Geoscience & Remote Sensing Letters***, 13(6), 777-781, **2016**.

3. **D. Das** and A.Maitra, "Rain attenuation prediction during rain events in different climatic regions" ***Journal of Atmospheric and Solar -Terrestrial Physics,***Elsevier, 128(1),1-7, **2015**.

4. **D. Das**and A.Maitra," Time Series Prediction of Rain Attenuation from Rain Rate Measurement using Synthetic Storm Technique for a Tropical Location" ***International Journal of Electronics and Communications,*** Elsevier, 68 (1),33-36, **2014**.

5. **D. Das**and A.Maitra, "Time series predictor of rain rate during rain events at a tropical location",***IET Microwave. Antennas and Propagation***, 6(15), 1710–1716, **2012**.

6. **D. Das** and A.Maitra, "Time Series Predictor of Ku – Band Rain Attenuation over an Earth – Space path at a Tropical location", ***International Journal of Satellite Communication and Networking,*** Wiley Inter Science, 30(1), 19-28, **2012**

[C] International Conferences:

1. S.Nandi and **D.Nandi**" Comparative Study of Rain Attenuation Effects for the Design of 5G Millimeter Wave Communication between Tropical and

Temperate Region" 2nd International Conference Device IC 2017, Kolkata,India, March 23-24, 2017

2. **D. Das**, and A. Maitra, "Comparison of Time Series Predictor with Other Prediction Model and Fade Mitigation Applications", *CODEC*, Kolkata, India, Dec 16-18, **2015**.

3. **D. Das**, and A. Maitra, "Fade Mitigation Applications using Time Series Predictor of Rain Attenuation",*URSI-RCRS Conference*, JNU, Delhi, India, Nov 16-19,**2015.**

4. **D. Das**, and A. Maitra, "Modeling of fade-slope for a tropical region and Time Series Prediction of Attenuation based on Fade slope", ABES Engineering College, Ghaziabad, India, Feb 13-14,**2014.**

5. A. Maitra. A. Adhikari, A. Bhattacharya and **D. Das***, "*Earth-Space Propagation and Related Tropospheric Phenomena in the Tropical Region", *URSI Commission F Triennial Symposium on Radiowave Propagation and Remote Sensing*, Ottawa, Canada, April 30 –May 3, **2013.**

6. **D. Das** and A. Maitra, "Application of Synthetic Storm Technique to Predict Time Series of Rain Attenuation from Rain Rate Measurement for a Tropical Location", *CODEC*, Kolkata, India, Dec 17-19, **2012.**

7. **D. Das**, and A. Maitra, "Development of Channel Model to Predict Rain Rate and Attenuation for FMT Applications", *IEEE Applied Electromagnetic Conference*, Kolkata, India, Dec 14 – 16, **2009**.

8. A. Maitra, **D. Das**, and A. Adhikari, "Rain Attenuation Prediction over an Earth – Space path from Rain Rate measurements at a Tropical location", *EUCAP, 3rd European Conference on Antenna & Propagation*, Berlin, Germany, March, **2009**.

9. A. Maitra, and **D. Das**, "Time Series Predictor of Ku – Band Rain Attenuation over an Earth – Space path at a Tropical location", *URSI (International Union of Radio Science) General Assembly Conference,* Chicago, Illinois, USA, **2008**.

➢ Sponsored R & D / Industrial / Training Experience:

Sl. No.	From	To	Institute / Industry	Sponsored by	Name of the Course(s)
1	30.01.2017	04.02.2017	IIT Kharagpur	MHRD	CMOS, Mixed Signal and Radio Frequency

					VLSI Design
2	06.01.2014	17.01.2014	NITTTR, Kolkata	NITTTR, Kolkata	MATLAB &LABView applications in Engineering
3	21.10.2013	01.11.2013	NITTTR, Kolkata	NITTTR, Kolkata	Topics on Data structure & Algorithms.
4	13.06.2011	17.06.2011	Institute of RadioPhysics & Electronics	IEEE	Antenna & Microwave teaching: New thoughts and challenges
5	23.11.2010	24.11.2010	Institute of RadioPhysics & Electronics	S.K.Mitra Centre for Research in Space Environment	Atmosphere & Space sciences
6	05.01.2009	09.01.2009	NITTTR, Kolkata	NITTTR, Kolkata	MATLAB & its applications
7	29.12.2008	03.01.2009	IIT Kharagpur	CEP, MHRD	Optoelectronics: Materials & Devices
8	05.11.2008		Institute of RadioPhysics & Electronics	S.K.Mitra Centre for Research in Space Environment	Global Positioning System & its applications

PERSONAL INFORMATION:

- **Hobby:** Reading Story Books, Listening Music.
- **Languages Known:** English, Hindi and Bengali.

Date: **Signature**

Place: *Kolkata*

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(Dalia Nandi)