

## IEEE AP-Society Distinguished Lecturer Desmond Sim Tours INDIA

Prof. *Chow-Yen-Desmond Sim*, a Senior Member and Distinguished Lecturer (2024-2026) of the IEEE Antennas and Propagation Society (APS), embarked on a tour in India from February 29th to March 7th, 2024, includes participation in WAMS 2024 hosted at Raghu Engineering College, Visakhapatnam. His itinerary included visits to two IEEE Sections – the IEEE MTT-S/AP-S Student Branch Chapter at the Indian Institute of Technology (IIT), Patna, and the IEEE MTT-S Student Branch Chapter at the National Institute of Technology (NIT), Patna. He also attended a Workshop at Osmania University, Hyderabad. Additionally, he delivered one Invited Talk at WAMS 2024, conducted two lectures at IIT Patna and NIT Patna, and delivered one Workshop lecture as part of the IEEE APS DL Program.

Desmond's first visit was to WAMS 2024 conference held in Raghu Engineering College, Visakhapatnam from February 29<sup>th</sup> to March 3<sup>rd</sup>, 2024. WAMS 2024 is a regional conference that attracted more than 300 attendees. This conference was well organized with four prestigious speakers from the NASA Jet Propulsion Laboratory (JPL), USA. Desmond gave an invited talk, entitled "5G Millimeter-Wave Antenna Solutions for Smartphones". In this conference, it was wonderful to be with Dr. Sudhakar Rao (President & CEO, RaoS Consultants LLC, USA), Mr. C. S. Rao (CEO of Quadgen), Dr. Nacer Chahat (NASA JPL), Dr Paolo Focardi (NASA JPL), Dr. Jonathan Sauder (NASA JPL), and Dr. Gaurangi Gupta (NASA JPL).

Desmond's second visit took place at the IEEE Patna Section from March 4<sup>th</sup> to 5<sup>th</sup>, 2024. During this visit, he presented a morning DL lecture on March 5<sup>th</sup> at the Department of Electrical Engineering, IIT Patna. The lecture, entitled "A Comprehensive Study on Commercial 5G mmWave AiP" was part of a joint activity/workshop organized by the IEEE Patna Section (Joint Chapter of AP/MTT Student Branch Chapter of IIT Patna). Desmond expressed gratitude for the invitation extended by Dr. Amit Kumar Singh and appreciated the opportunity to interact with the young researchers and PhD students at IIT Patna. On the same day, Desmond travelled to NIT Patna for his second DL talk in the evening, entitled "5G millimeter-Wave Antenna Solutions for Smartphones," an extended version of one presented in WAMS. This invitation was extended by the IEEE Student Branch NIT Patna and IEEE MTT-S Student Branch NIT Patna as part of the IEEE AP-S DL Program, with Dr. Rajan, Assistant Professor, Department of Electrical Engineering, NIT Patna as the host. Both DL talks were officially approved by the IEEE AP-S DL Program.

Desmond's final engagement took him to Osmania University in Hyderabad on March 7<sup>th</sup>, where he participated in a 3-Day Workshop titled the "National Workshop on Advanced Antennas for Space, Vehicular, and Ground Applications." During this event, Desmond delivered a distinctive workshop lecture, entitled "Comprehensive Studies on Antenna Design for Wearable Smart Watches," which was also approved by the IEEE AP-S DL Program. He extended his gratitude to Dr. D. Rama Krishna, Professor & Head of the Department of ECE, for the kind invitation. Desmond cherished the opportunity to collaborate with esteemed colleagues such as Dr. Sudhakar Rao, Dr. Nacer Chahat, and Dr. Amit Kumar Singh, as well as interact with students and young researchers/engineers in Hyderabad. Unfortunately, Desmond had to depart from Hyderabad on the same day due to his work commitments in Taiwan.

India boasts a distinctive culture and traditions, serving as the cradle of some of the world's oldest civilizations and the birthplace of major religions such as Buddhism and Hinduism. The delectable array of Indian cuisine has long been a source of fascination and delight. Please find attached a short Youtube video documenting Dr. Desmond Sim's tour:

[https://www.youtube.com/watch?v=rE3AbZ10S\\_0](https://www.youtube.com/watch?v=rE3AbZ10S_0)

# WAMS 2024



# IEEE Patna Section (IIT Patna)








**IEEE AP-S & MTT-S Winter School**  
**Microwave Metamaterials for Antenna Applications**  
 29th February - 06th March 2024

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**IEEE AP-Society Distinguished Lecturer Talk**  
 on  
**A Comprehensive Studies on Commercial 5G Millimeter-Wave Antenna-in-Package (AiP)**



**Speaker:**  
**Prof. C. Y. Desmond Sim**  
 Distinguished Professor  
 Feng Chia University, Taiwan  
 IEEE AP-S DL

**05th March 2024 (IST)**

**10:00 AM - 12:00 PM**

**Department of EE,  
 Lecturer Hall,  
 Block 3, IIT Patna**

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**Organizing Committee**

**Dr. Amit Kumar Singh**  
Coordinator

**Dr. Yatendra Kumar Singh**  
Co-Coordinator

**Dr. Jagannath Malik**  
Co-Coordinator

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# IEEE Patna Section (NIT Patna)

IEEE STUDENT BRANCH NIT PATNA  
and  
IEEE MTT-S Student Branch Chapter NIT Patna  
Present  
**AP-S Distinguished Lecturer Talk**  
on  
**5G Millimeter-Wave Antenna Solution For Smartphones** by **Prof. Chow-Yen-Desmond Sim**  
FENG CHIA UNIVERSITY, TAIWAN  
And  
**MTT-S AP-S YP Ambassador Talk**  
on  
**Metamaterial Inspired High Gain Multi-Beam Millimeter Wave Antennas** by **Dr. Amit Kumar Singh**  
INDIAN INSTITUTE OF TECHNOLOGY PATNA  
Venue : MEGHNAD SAHA HALL, NIT Patna  
Date : 5th March 2024  
Time : 4:00 PM onwards  
#IEEEBNITP




# Osmania University (Hyderabad)





## INVITATION



ESTD. 1917      ESTD. 1929

**CENTRE FOR EXCELLENCE IN MICROWAVE ENGINEERING  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
UNIVERSITY COLLEGE OF ENGINEERING (A)  
OSMANIA UNIVERSITY, HYDERABAD-500 007**

Cordially invite you to the Inaugural Program of

### National Workshop on Advanced Antennas for Space, Vehicular and Ground Applications

On  
**Thursday 07<sup>th</sup> March 2024 at 9:30 AM**  
At  
**Prof. K. K. Nair ECE Auditorium, Dept. of ECE, UCE, OU**

**Chief Guest**  
**Prof. Dandeboina Ravinder**  
Vice-Chancellor, OU

**Guests of Honour**

<p><b>Prof. M. Kumar</b> Dean, FoE, OU</p> <p><b>Dr. Nacer Chahat</b> NASA/JPL, USA</p> <p><b>Prof. Vijay M Pandharipande</b> Honorary Director, CEME, UCE, OU</p>	<p><b>Dr. Sudhakar Rao</b> Rao S Consultancy, LLC, USA</p> <p><b>Dr. Chow-Yen-Desmond Sim</b> Feng Chia University, Taiwan</p>
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**Presided by**  
**Prof. P. Chandrasekhar**  
Principal, UCE OU

<p><b>Co-Cordinator</b> <b>Mr. R. Narender Reddy</b> Asst. Professor(C), Dept. of ECE, UCE, OU</p>	<p><b>Co-Ordinator</b> <b>Dr. A. Bharathi</b> Assoc. Professor, Dept. of ECE, UCE, OU</p>	<p><b>Convener</b> <b>Prof. D. Rama Krishna</b> Head, Dept. of ECE, UCE, OU</p>
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