

IEEE TENCON 2024

Region 10 Conference

Dec 1-4, 2024

Sands Expo Convention Centre, Singapore

Conference General Chair: A Alphones

IEEE Singapore Section

22-23 Feb 2025



Conference Theme for TENCON 2024

Artificial Intelligence and Deep Learning Technologies for a Sustainable Future





KEYNOTE SPEAKERS



Dr Tom Coughlin

2024 IEEE President & CEO

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Dr Bryan Low

Associate Professor

Director of AI Research, AI Singapore

Deputy Director, NUS AI Institute



Dr Jonathan Pan

Chief, Disruptive Technologies Office, and

Director, xCybersecurity, Enterprise

Group, Home Team Science and

Technology Agency (HTX), Singapore

Conference Activity Schedules

Activities	Deadline	Status
IEEE Conference Record Created	13 Nov 2023	Done with MoU
Website opened	04 Feb 2024	Done with PCO
Special Sessions Deadline	20 June 2024 24 July 2024 (revised)	Done
Paper Submission Deadline	20 June 2024 24 July 2024 (revised)	Done
Invitation for Exhibition/Sponsorship	26 Apr 2024	Done
Final paper Submission	18 Oct 2024	Done
Early Bird registration	18 Oct 2024	Done
Conference event	1-4 Dec 2024	Done
Packing list to IEEEExplore	25 Feb 2025	Almost done including copyright documents
Financial Budget	15, Mar 2025	To be completed soon

Technical Sessions

- Artificial Intelligence and Machine Learning
- Data Analytics and Big Data
- Robotics, Control, Instrumentation and Automation
- Signal Processing and Image Recognition
- Computational Intelligence
- Network and Cyber-Security
- Communications and Networks
- RF/Millimeter-wave Circuits and Systems
- Antennas, Propagation and Computational EM
- Analog and Mixed Signal ICs
- Optical Communications and Sensors
- Photonic Technologies
- Internet of Things/MEMs Sensors
- Power Electronics
- Power Generation, Transmission and Distribution
- Electrical Motors and Drives
- Renewable Energy Sources and Technology
- Electronic Devices and Materials Processing
- Nano-electronics
- 3D Printing
- Quantum Technologies
- Education in Engineering and Technology
- Biomedical Engineering and Healthcare Technologies
- Sustainable Building and Environment Technologies

Paper statistics

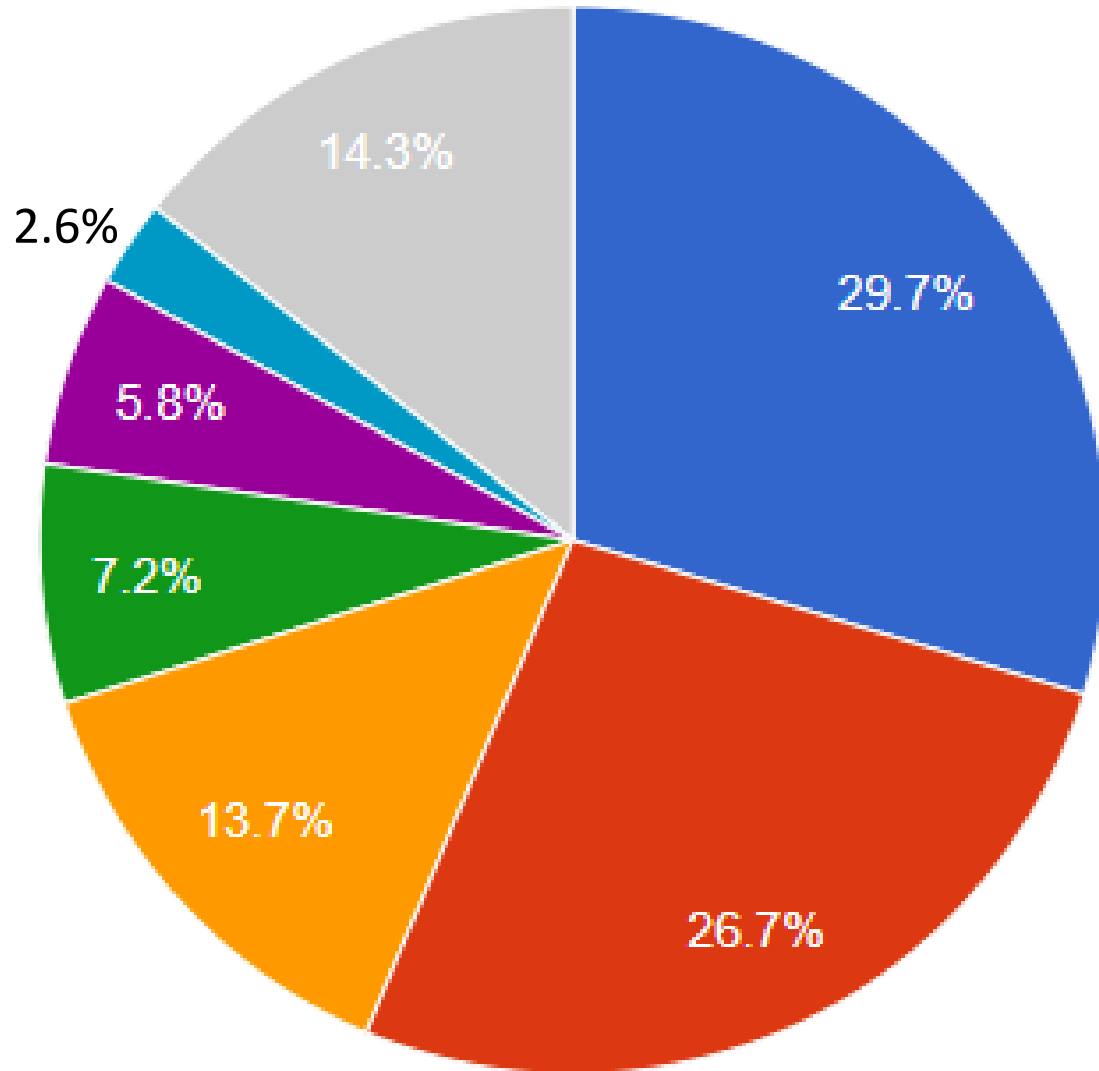
Number of Manuscripts submitted	Number of papers accepted	Acceptance ratio (%)
678	545	80.3

Topic	Count
Artificial Intelligence	99
Machine Learning	59
Data Analytics and Big Data	16
Signal Processing	25
Image Recognition	39
Computational Intelligence	10
Cyber-Security	16
Communications Networks	33
RF/Millimeter-wave	7
Circuits and Systems	44
Sensors	28

Topic	Count
Antennas, Propagation and Computational EM	17
Analog and Mixed Signal ICs	17
Optical Communications and Sensors	7
Photonic Technologies	3
Internet of Things/MEMs	21
Power Electronics	18
Power Generation, Transmission and Distribution	25

Topic	Count
Electrical Motors and Drives	6
Renewable Energy Sources and Technology	37
Robotics	2
Control and Automation	9
Instrumentation	9
Sustainable Building and Environment Technologies	11
Others	50

Author distribution by country



- India
- Philippines
- Singapore
- China
- Japan
- Sri Lanka
- Other

Number of countries represented: 37

Technical Program

- Keynote address: 3
- Oral sessions: 66
- Interactive poster sessions: 3

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IEEE Region 10 Conference 2024 (TENCON 2024)
Artificial Intelligence and Deep Learning Technologies for a Sustainable Future
1-4 December 2024 | Marina Bay Sands | Singapore
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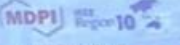
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3-4 December 2024 | Marina Bay Sands | Singapore www.tencon2024.org

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Handover
IEEE Region 10 Conference 2025 (TENCON 2025)
Kota Kinabalu, Malaysia

TENCON 2024 IEEE Region 10 Conference 2024 (TENCON 2024)
Artificial Intelligence and Deep Learning Technologies for a Sustainable Future
14 December 2024 | Marina Bay Sands | Singapore
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Thank you for all the section chairs of
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for their support