



*10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026*

Best Poster Award (Day 1)

Is awarded to

*Rami Salem, Songtao Wo, Ting Chen, Ahmed Mohamed
Huy Do, Anand Subramaniam, Tsung-Han Lee*

For the paper

Collaborative Semiconductor Production Economic: Mobile Demand Fulfillment
via Leakage Predictive Model and Device Technology Optimization

In recognition of its excellent visual clarity and effective technical communication



*Bernard Lim
General Chair*

*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 1)

Is awarded to

Maojun Sun, Rundong Hu, Jiaxin Yang

Hang Zhou, Xinxin Xu, Yufeng Jin

For the paper

Miniaturized Perovskite/ α -IGZO Phototransistors with
10 μm Channels for Visible Light Detection and Imaging

In recognition of its excellent visual clarity and effective technical communication



Bernard Lim
General Chair

Samar Saha
General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 1)

Is awarded to

*Xiangyu Wang, Jun Wang, Bernard Stark,
Renze Yu, Martin Kuball, Saeed Jahdi*

For the paper

Analysis of Instability of Dynamic On-Resistance in
p-GaN eHEMTs by Hot-Electron-Stress

In recognition of its excellent visual clarity and effective technical communication



*Bernard Lim
General Chair*

*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 2)

Is awarded to

*Saifei Gou, Yuxuan Zhu, Zhejia Zhang, Jinshu Zhang, Xiangqi Dong,
Menglin Huang, Shiyu Chen, Yin Wang, Chixiao Chen, Wenzhong Bao*

For the paper

*Ultra-low leakage edge contact MoS₂ FETs enabling a
ks-Retention 2T0C DRAM at Zero Vhold*

In recognition of its excellent visual clarity and effective technical communication



*Bernard Lim
General Chair*

*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Poster Award (Day 2)

Is awarded to

Kulisa Nanayakkara, Alberto Castellazzi

For the paper

Assessment of 650 V discrete GIT GaN HEMTs for
bi-directional switch implementation

In recognition of its excellent visual clarity and effective technical communication



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Samar Saha
General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 2)

Is awarded to

Haoyu Wang, Jian Chai, Zhixiang Zhang, Quan Yang, Yu Bin, Yang Xu

For the paper

*All-Optically Controlled Synapse Based on Oxide
Plasmonic Optoelectronic Memristor*

In recognition of its excellent visual clarity and effective technical communication



*Bernard Lim
General Chair*

*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 3)

Is awarded to

*Caigan Chen, Yanlong Guo, Jian Huang, Quanbao Li,
Yushan Chi, Kaiqi Xie, Jiayu Sun*

For the paper

Plasma Etching of SiCr Thin Film Resistor

In recognition of its excellent visual clarity and effective technical communication



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General Chair*

*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Poster Award (Day 3)

Is awarded to

*Dian Budiarti Kastian, Juan Paolo S. Bermundo,
Candell Grace Paredes Quino, Kosuke O. Hara, and Yukiharu Uraoka*

For the paper

*Comparative Study of Vacuum-Deposited and Solution-Combustion-Synthesis
Al₂O₃-HfO₂ Gate Dielectric for a-IGZO Thin-Film Transistors*

In recognition of its excellent visual clarity and effective technical communication



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*Samar Saha
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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

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Best Poster Award (Day 3)

Is awarded to

*Houcheng Liu, Zongwei Wang, Lin Bao, Yabo Qin,
Ling Liang, Zheng Zhou, Yimao Cai*

For the paper

A Reconfigurable Strong Physically Unclonable Function Enabled
by Probabilistic Switching in Dual-mode Memristor

In recognition of its excellent visual clarity and effective technical communication



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*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Paper Award

Is awarded to

Mingmin Shi, Baotong Zhang, Jianhuan Wang

Jianjun Zhang, Ming Li

For the paper

Low-Temperature Ni-Silicide Initiated Lateral Epitaxial Crystallization with Orientation and Grain Boundary Control for Stackable Transistor Technologies

In recognition of its outstanding originality, technical depth, and impact



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General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Paper Award

Is awarded to

Kaimeng Liu, Huaqiang Wu, Xiangchao Ma, Xing Zhang
Zhenchao Sui, Chengxiang Ma, Jianshi Tang

For the paper

A Commercial-Grade Reliable 40nm eRRAM Macro Featuring a
Dual-Oxide Resistive Switching Layer

In recognition of its outstanding originality, technical depth, and impact



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Samar Saha
General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Paper Award

Is awarded to

Wei Zhang, Jianze Wang, Chen Sun, Xiao Gong, Xuanyao Fong

For the paper

**Multi-Grain Phase Field Modeling of the Interaction Between Polar-Axis
Orientation and FE Phase Probability in Ferroelectric Capacitors**

In recognition of its outstanding originality, technical depth, and impact



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*10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026*

Best Industry Paper Award

Is awarded to

Runzi Chang, Nedeljko Varnica

For the paper

Power Law Yield Model for FinFET Technologies and Beyond

In recognition of its outstanding originality, technical depth, and impact



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*Samar Saha
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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Industry Paper Award

Is awarded to

*Parag Choudhury, Nihal Deshpande, Peter Schicketanz, Sanjay Mane,
Valeriya Kilchytska, Amelie Hagelauer, Jean-Pierre Raskin*

For the paper

Empirical Approach to Improve the BSIM4 Model for Bulk MOSFETs
Scaled Down to Cryogenic Temperature

In recognition of its outstanding originality, technical depth, and impact



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*Samar Saha
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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Industry Paper Award

Is awarded to

*Jiayu Sun, Kang Li, Caigan Chen, Chengdong Xu, Yanlong Guo,
Quanbao Li, Pengfei Lyu, Yushan Chi*

For the paper

Study of High Aspect Ratio SiN WG Etch in Silicon Photonics

In recognition of its outstanding originality, technical depth, and impact



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*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Collaborative Impact Paper Award

Is awarded to

*Xiao Shang, Tuo Xin, Zehuan Hei, Yang Liu, Xiaodong Li,
Zhonghua Jin, Baodong Han, Hongbo Sun, Chao Zhao*

For the paper

**Highly Selective Radical Etching of Si₃N₄ using NF₃/O₂/N₂/H₂ Mixtures
on 3D Multilayer Stack Transistor Integration**

In recognition of its collaborative and impactful work in EDTM2026



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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Collaborative Impact Paper Award

Is awarded to

Min Zeng, Tingting Yang, Jieyu Liu, Zekai Wang, Yao Cai, Chengliang Sun

For the paper

*In-Plane Anisotropy and Mode Selection in Thin-Film Lithium Niobate
for Versatile Filters*

In recognition of its collaborative and impactful work in EDTM2026



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*Samar Saha
General Co-Chair*





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026

1st to 4th March 2026

Best Collaborative Impact Paper Award

Is awarded to

*Cancheng Xiao, Dingsong Jiang, Tianle Sui, Fantao Gao,
Bingqian Song, Ziwei Han, Maolin Sun, Tianxiang Nan*

For the paper

*Finite Element Modeling and Correcting of Current Shunting Effect
in SOT-MTJ for Edge AI*

In recognition of its collaborative and impactful work in EDTM2026



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*Samar Saha
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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Haomin Liu, Ni Yang, Lin-Yun Huang, Fangyuan Zheng, Qian-Yo Lee,
Jing-Kai Huang, Yi Wan, Lain-Jong Li*

For the paper

Metal-Organic Chemical Vapor Deposition of Bilayer 2H-WSe₂ Assisted with Growth Promoter

In recognition of its outstanding originality, technical depth, and impact



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General Chair

Samar Saha
General Co-Chair





*10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026*

Best Student Presenter Award

Is awarded to

*Jichao Li, Yan Hu, Weijie Sun, Shengduo Fan, Sen Wang, Yuchen Tian, Junlong Shi,
Yuexi Wang, Yue Zhang, Xinliu He, Qicheng Sun, Yin Wang, Saifei Gou,
Yin Xia, Zihan Xu, Yuxiang Li, Mengyang Liu, Jiawei Zhang, Wenzhong Bao*

For the paper

Monolithically 3D-Stacked CFETs Based on WSe₂/MoS₂ Heterostructures: High-Gain Inverters and Logic Gates

In recognition of its outstanding originality, technical depth, and impact



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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Yanbo Su, Yide Li, Jianshi Tang, Zhidong Tang, Kexin Wang, Yijia Fan,
Yibei Zhang, Yue Xi, Bingjun Cao, Renrong Liang, Yirui Ma, Siyu Xu,
Bin Gao, He Qian, Huaqiang Wu*

For the paper

Multi-bit Programming Scheme of 2T Gain Cell with Near-Ideal Linearity

In recognition of its outstanding originality, technical depth, and impact



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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Seia Hirata, Hajime Takayama, Urmimala Chatterjee, Jun Furuta,
Michihiro Shintani, Stefaan Decoutere, Kazutoshi Kobayashi*

For the paper

A Large-Signal Characterization Method for
Dynamic Gate Capacitances of p-GaN HEMTs

In recognition of its outstanding originality, technical depth, and impact



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10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

Anamika Singh, Amit Kumar Behera, Avirup Dasgupta

For the paper

An Artificial Neural Network–Assisted Charge-Based Compact Model for
Advanced Multi-Gate FETs

In recognition of its outstanding originality, technical depth, and impact



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Samar Saha
General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Chenghao Yu, Yujie Chen, Yuhang Yang, Zezhi Cheng, Ruiqing Xie, Jingwei Sun,
Yingchen Ji, Lin Bao, Zheng Zhou, Ling Liang, Zongwei Wang, Yimao Cai*

For the paper

**A Multi-Time Programmable Memory Chip Based on
Pseudo-Formed RRAM for Embedded Applications**

In recognition of its outstanding originality, technical depth, and impact



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General Co-Chair





10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Nan Tang, Yi Xiao, Lianliang Wu, Jiaqi Li, Ao Shi, Zheng Zhou,
Lifeng Liu, Xiaoyan Liu, Jinfeng Kang, Peng Huang*

For the paper

*A Capacitor-Less 22nm FDSOI-Based Event-Driven Pixel
Utilizing Tunable Photoresponse Speed*

In recognition of its outstanding originality, technical depth, and impact



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1st to 4th March 2026*

Best Student Presenter Award

Is awarded to

Somnath Bhattacharjee, Anil Lodhi, Gargi Konwar, Shree Prakash Tiwari

For the paper

**Sustainable Flexible Organic Transistors on Paper Substrate:
Performance and Long-Term Stability**

In recognition of its outstanding originality, technical depth, and impact



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*10th IEEE Electron Devices Technology and Manufacturing (EDTM) 2026
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Best Student Presenter Award

Is awarded to

Shih-Hsiang Yang, Po-Yu Hong, Chi-Hao Wu, Horng-Chih Lin, Pei-Wen Li

For the paper

Si₃N₄ waveguide coupled Ge-QD PIN photodiodes with raised P⁺ /N⁺ electrodes on recessed ultra-thin body SOI for near ultraviolet to near infrared bands

In recognition of its outstanding originality, technical depth, and impact



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1st to 4th March 2026

Best Student Presenter Award

Is awarded to

*Sanjeev Kumar Manhas, Kunal Kunal, Amit Kumar Singh Chauhan,
Vishvendra Singh Poonia*

For the paper

Contact Engineering in Novel Gr/h-BAs Heterostructure: For Semiconductor Devices

In recognition of its outstanding originality, technical depth, and impact



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Best Student Presenter Award

Is awarded to

Erbing Hua, Stijn Heemskerk, Ryoichi Ishihara

For the paper

Sub-100- μ V Cryogenic Biasing with Low-Noise Multilevel Memristors:
Pt-interface Tuning for Scalable Qubit Control

In recognition of its outstanding originality, technical depth, and impact



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