

fostering collaborations and insights into cutting-edge research and applications in the domain.

### Pioneers of Progress: IEEE EDS and SSCS Achievement Awards (25 April 2024)

The IEEE Student Branch Chapters of the IEEE Solid-State Circuits Society (SSCS) and IEEE Electron Devices Society (EDS), proudly presented “Game Changer - Spotlight Awards,” an exclusive event to honor the pillars of the EDS and SSCS. This prestigious event was held on 25 April 2024 at Beta Hall from 1:30–4 p.m. The event aimed to recognize and celebrate the exceptional contributions of individuals within the EDS and SSCS communities.

The distinguished advisors for the event were Dr. P. Shanmugapriya, SEC EDS advisor, and Dr. L. Kurinji-



FIGURE 3: Winners.

malar, SEC SSCS advisor. The coordination of the event was led by D. Arulsevam, with Dr. R. Azhagumurugan serving as the HOD/EEE and SEC IEEE PES Advisor.

The “Game Changer - Spotlight Awards” event was an inspiring occa-

sion, bringing together students, faculty, and industry professionals to celebrate the achievements and advancements in the field of electron devices and solid-state circuits (Figures 2 and 3).

“In the pursuit of excellence, we inspire greatness.”

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## Celebrating a Decade of Existence: The Bordeaux Electrical Engineering Branch’s 10th Anniversary

The Bordeaux Electrical Engineering (BEE) IEEE Student Branch celebrated its 10th anniversary! It has been an incredible journey—10 years of active scientific engagement, growing to eight chapters with more than 50 dedicated members and volunteers.

Throughout the year, the IEEE Solid-State Circuits Society (SSCS) Chapter of the BEE branch welcomed several renowned experts for BEE talks: Prof. Makoto Ikeda focused on the acceleration of encryption algorithms, including elliptic curves, pairing, postquantum cryptographic algorithms, and fully homomorphic encryption. Prof. Kawori Sekine talked about the application of equivalent MOSFETs with varying thermal coefficients of threshold voltage, and

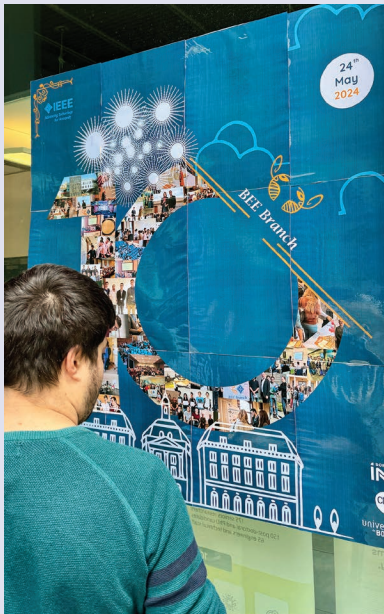
Prof. Kazuyuki Wada spoke on load voltage estimation and regulation methods exploiting the frequency characteristics of wireless power transfer circuits.

The BEE Week in January 2024 started with Prof. Danilo Demarchi discussing smart agriculture through plant and soil communication, followed by insights on research careers in semiconductors. Guillaume Andrieu presented on microwave and millimeter-wave medical imaging, and Alessia Cannata demonstrated vibrating intrinsic reverberation chambers. The Chapter received the Best Educational Program Award at ISSCC 2023 in San Francisco, as recognition for its outstanding educational initiatives. Throughout the year, various after-work events were organized, enhancing professional networking and community engagement among members.

The official celebration of the 10th anniversary happened on 24 May 2024, featuring insightful talks on space electronics from both academic and industry experts, a cocktail reception with nostalgic photos, and a dinner party featuring delicious food and live music.

Prof. Yann Deval gave a presentation focused on the design of radiation-hardened ICs. It covered radiation phenomena, including dose and dose rate effects. Examples of circuits designed using these principles were presented, highlighting radiation-hardened voltage references and memory hardened against single and multiple event upsets. Various examples across different technologies were shown, emphasizing the necessity of radiation-hardened circuits in space exploration. The conclusion underscored the


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Scenes from the BEE IEEE Student Branch 10th Anniversary celebration.

importance of developing commercially viable circuits in low-cost mass-market technologies to achieve reliable radiation-hardened circuits for space applications.

A heartfelt thank-you to everyone who has been a part of this journey. Your enthusiasm and dedication truly embody the spirit of IEEE and the SSCS.

—Samir Lagoug  
—Maxime Guillot  
—Francois Rivet 

## IEEE CASS-SSCS-EDS HUST Student Branch Successfully Organizes a Photonic–Electronic Converging Chips Lecture

The IEEE CASS-SSCS-EDS Huazhong University of Science and Technology (HUST) Student Branch successfully organized a photonic–electronic converging IC chips lecture on 26 May 2024.

The photonic–electronic converging IC chips lecture was organized as two technical talks and one lidar-based robot demonstration at the HUST campus. The presenters were

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FIGURE 1: Master's student Xiangyi Zhang giving the optical communication TIA talk.