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FOR IMMEDIATE RELEASE

EPCIA Student Award 2024

Mr Bo Yao from the Department of Energy at the Aalborg University in Denmark **has been awarded the EPCIA Student Award** at PCIM Europe Conference on 13 Juni 2024 in Nürnberg, Germany, **for his outstanding PhD thesis work.**

The EPCIA Student Award Committee assessed the interesting publication of Mr Yao as an outstanding academic work in the area of electronic passive components. The award is granted with € 5,000.

The EPCIA award was granted to Mr Yao for his thesis which addresses on application-oriented test and monitor capacitors with high failure rates, a critical issue in power electronic systems. The proposed novel testing method emulates realistic stress conditions of AC and DC capacitors in high power applications.

This innovation not only addresses a critical industry need for capacitor reliability but also promises substantial benefits to consumers, which can contribute to the safe and reliable operation of renewable energy and sustainable transport field such as wind power, railway traction, electric vehicles, et al.

“The work of Bo especially contributes to the improvement of reliability of capacitors in power electronic converter by using innovative condition monitoring techniques”, according to Prof. Dr. Ebel, Member of Student Award Committee of EPCIA.

He encourages students across all European universities who work in this area to apply for the EPCIA students award.

For all future applicants: EPCIA is granting the Student Award annually and is looking forward to receiving more theses or papers related to passive components. All details related to the EPCIA Student Award can be found on the EPCIA website: <https://www.eusemiconductors.eu/epcia/epcia-student-award>



Handover of the EPCIA Student Award certificate (from left to right): Luca Primavesi, Itelcond, Rüdiger Scheel, Murata, Bo Yao, Winner of the Student Award, Dr Marcus Dietrich, Secretary of EPCIA and Prof Dr Thomas Ebel, SDU.

For more information:

[Marcus Dietrich, PhD](#)

Secretary

European Passive Component Industry Association (EPCIA)

Web: <https://www.eusemiconductors.eu/epcia>

About EPCIA: *The European Passive Component Industry Association (EPCIA) represents and promotes the common interests of the passive component industry active in Europe to ensure an open and transparent market for passive components in Europe as part of the global market place. Passive component manufacturers play a key role in the development of the electronics industry and more globally in the development of the e-society in Europe and the rest of the world. Every new function, every new semiconductor, generates new requirements in volume and performance for passive components. Supported by several large companies, a great number of SMEs (small and medium-sized enterprises), national associations and technological research institutes, the passive component industry has accumulated a considerable competence and know-how over the years.*