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**FOR IMMEDIATE RELEASE**

## **EPCIA Student Award 2022**

**Dr David Menzi from ETH Zurich has been awarded with the EPCIA Student Award for his outstanding PhD thesis at electronica 2022 in Munich.**

The EPCIA Student Award Committee assessed the PhD thesis of Dr Menzi as an outstanding academic work in the area of electronic passive components. The award is granted with € 5,000.

Within the context of the ECPE lighthouse project “*Ultra-compact 12 kW / 1200 V SiC Y-Inverter*”, and as part of his PhD research, an innovative variable speed drive inverter system with buck-boost functionality and full-sinewave output filter has been developed by Dr Menzi. This new concept is making best use of both advanced semiconductors (wide-bandgap, WBG) as well as very advanced passive components such as capacitors and magnetic components, in order to achieve extremely high power density and outstanding efficiency in the area of drives.

Ralph Bronold, President of EPCIA, underlined the great importance of such R&D projects for the passive components industry and likes to encourage students across all European universities to work in this area and eventually to apply for the EPCIA students award in 2023.

For all future applicants: EPCIA is granting the Student Award annually and is looking forward to receiving more theses related or papers 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 by Mr Ralph Bronold, President of EPCIA (right), and Dr Marcus Dietrich, EPCIA Secretary (left) to Dr David Menzi at *electronica 2022*.

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.*