Welcome to "Startup Microsystems: Innovate, Create, Compete – COSIMA Challenge," a dynamic and hands-on internship designed to empower students in harnessing their creativity and technical skills to participate in the COSIMA (Competition of Students in Microsystems Applications) contest. This internship is not just an academic pursuit; it’s a journey towards becoming innovative entrepreneurs in the realm of sensor and microsystem applications.

Overview:
In this practical internship, students will delve into the world of microsystems, exploring their components, functionalities, and potential applications. The focus will be on fostering creativity and teamwork as students work collaboratively to conceive, design, and prototype innovative solutions using sensors and microsystems.

Key Features:

Creative Exploration: Unlike traditional courses and internships, this one offers the freedom to choose and define your own technical challenge. Students will be encouraged to think outside the box, identify real-world problems, and propose solutions that leverage microsystems to enhance human-technology interactions.

Hands-On Prototyping: The heart of the internship lies in turning ideas into reality. Students will actively engage in the prototyping process, developing functional prototypes of their innovative concepts. Emphasis will be placed on understanding the practical aspects of sensor integration, actuation, and control electronics.

COSIMA Contest Preparation: The internship will align with the COSIMA contest requirements, preparing students to present their prototypes on the competition day. Guidance will be provided on creating impactful presentations that showcase the ingenuity and practicality of their solutions.

Go International: The winners of COSIMA will qualify to take part in the international iCAN competition. Guidance and preparation for the iCAN will be provided.

Entrepreneurial Mindset: Drawing inspiration from successful startups that emerged from
COSIMA, the internship will instill an entrepreneurial mindset. Students will learn about the essentials of founding a startup, from business planning to pitching their ideas.

**Us in the past:**

[Das war COSIMA 2023 (cosima-mems.de)](cosima-mems.de)
[iCAN Wettbewerb 2023 (cosima-mems.de)](cosima-mems.de)
[Sieger 2022 (cosima-mems.de)](cosima-mems.de)

**Prerequisites**

Intermediate German and English language proficiency is required.

**Contact**

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**Advisors**

Yushen Zhang