

Mailing list:

Members of the examination committee

Doctoral candidate

Munich, April 08.04.2026

Invitation to the Oral Examination – Department EE

For the occasion of her examination for a Doctoral Degree,

Ms. Inola Kopic

will present her dissertation entitled:

“Inkjet-Printed 3D Microelectrode Array Platforms for Interfacing with Organoids”

(Inkjet-gedruckte 3D-Mikroelektrodenarray-Plattformen zur funktionellen Anbindung von Organoiden“)

On

20th April 2026 at 13:00

Attendance to the **presentation is open to the public.**

The presentation will be in English.

The candidate, all members of the Examination Committee, and authorized examiners of the TUM School of CIT are invited to the presentation and subsequent oral examination.

The presentation and **subsequent examination** will take **place in presence** in:

MIBE lecture hall, Boltzmannstr. 11, 85748 Garching

and streamed via **Microsoft Teams**

Link:

<https://teams.microsoft.com/meet/358836892132171?p=BXRnmY9bA0lqoude50>

Meeting ID: 358 836 892 132 171

Passcode: by3kH3eg

Examination committee:

Chair: Prof. Dr. Kristen Kozielski

First Examiner: Prof. Dr. rer.nat. Bernhard Wolfrum

Second Examiner: Prof. Dr. rer.nat. Günther Michael Zeck

Third Examiner: ---

Abstract:

“This work presents rapid and versatile fabrication strategies for 2D and 3D microelectrode arrays used for electrophysiological recordings, combining cleanroom processes such as lithography and electroplating with laser micromachining and inkjet printing. The resulting platforms feature pillar electrodes with tunable tip geometries on rigid and flexible substrates to enhance coupling, enable long-term recordings, and support parallelized drug testing on organoids.”