



Seminar/Talk

# Art-Inspired Curved Crease Origami Research

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Host: Samara Ren

Curved crease origami transforms flat materials, like paper, into intricate three-dimensional structures by folding along curves. While this discipline is primarily driven by aesthetic exploration, the resulting shapes hold significant practical potential for creating functional, deployable structures that are cost-effective to manufacture. In this talk, I will discuss how the aesthetic qualities of curved crease origami inspire research into developable surfaces and their isometric deformations. Additionally, I will showcase examples of design software that enable the digital fabrication of these complex forms, facilitating their interdisciplinary exploration.

**Thursday, November 7, 2024 10:00am - 11:00am**

Central Bldg / O1 / Mondi 3



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.