



5th - 9th September 2022

## Call for Participation- Dresden International Summer School on Haptics and Cognitive Robotics [HAPCOR]



Call for participation:

Dresden International Summer School  
on Haptics and Cognitive Robotics

**September 5 to 9, 2022**

<https://tu-dresden.de/ing/elektrotechnik/ias/aha/summer-school-haptics-and-cognitive-robotics>

Organized by the Chair of Acoustics and Haptics, Technische Universität Dresden

with the support of School of Engineering, TU Dresden, Excellence Cluster CeTI and  
Boysen-TU Dresden-Graduiertenkolleg

Hybrid event (in-person and online)

Closing date for applications: **August 1, 2022**



Dear colleagues,

we invite you to participate at the International Summer School on Haptics and Cognitive Robotics, which will be held in Dresden, Germany, from September 5 to 9, 2022. The event mainly targets experts, PhD students, researchers, skilled practitioners and Master students.

Technical systems and products are becoming more and more complex and efficient and increasingly penetrate all areas of life and work. Digitization with its diverse facets plays a central role in this. Applications of haptics and robotics are an important part in the service sector for people in general and in digitized industry. The central subjects of this summer school are the people confronted with this technology and the interface between technology and user (human in the loop). With the objective of satisfying needs from multiple perspectives, several disciplines collaborate, aiming for major key aspects such as:

- Novel haptic interfaces,
- Haptic perception and psychophysics,
- Affective haptics,
- Robotic surgery,
- Robot assistance systems,
- Humanoid robots
- Cognitive robotics, robot learning, statistical robotics
- Using novel smart technologies including mobile devices and Augmented or Mixed Reality experiences

For five days, PhD students and Postdocs from around the world will discuss and elaborate a vision to develop next generation haptic and robotic technologies. Leading international scientists will share their experience at the highest international level. A broad mix of lectures, keynote speeches, hands-on sessions and excursions will stimulate the academic exchange and foster focused, results-oriented, and high quality scientific work. The workshop will be accompanied by leisure activities in the beautiful city of Dresden, the cosmopolitan metropolis of art and science.

We offer selected PhD students/PostDocs a travel grant, covering basic financial support including free accommodation and travel allowance up to several hundred Euros (depending on individual travel costs). Further information regarding the travel grant can be found on our website.

More information can be found at:

<https://tu-dresden.de/ing/elektrotechnik/ias/aha/summer-school-haptics-and-cognitive-robotics>

To apply or to inquire further information send an email to:

[ercan.altinsoy@tu-dresden.de](mailto:ercan.altinsoy@tu-dresden.de)

The application deadline for a grant is **August 1, 2022**. The registration for an online participation is open until **August 15, 2022**.