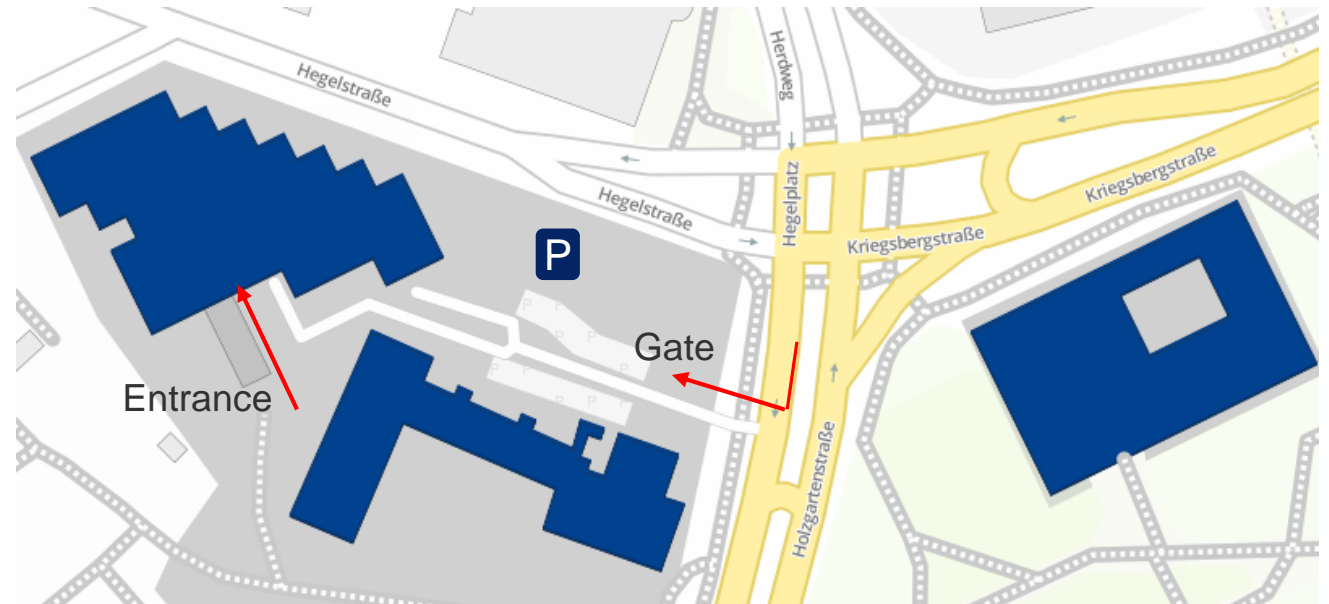


„Fundamentals of machining dynamics and digital machining engineering“

Invitation
Prof. Yusuf Altintas
Stuttgart, 19th February 2024

General Information

Date	19.02.2024
Location	University of Stuttgart, Institute for Machine Tools Holzgartenstraße 17 70174 Stuttgart Room 1.016
Fee	Free
Registration	until 05.02.2024 to maximilian.rapp@ifw.uni-stuttgart.de



Agenda

09:00	Arrival
09:30	Welcoming by Prof. Möhring
09:45	Workshop Part 1 by Prof. Altintas
11:15	Coffee break
11:30	Workshop Part 2 by Prof. Altintas
12:30	Get-together with Q&A

Speaker

Prof. Yusuf Altintas

Fellow of NAE, RSC,
ACATECH, CIRP; ASME,
SME



Content

- Mechanics of machining and work material data base preparation for cutting process simulation
- Measurement of machine tool and workpiece dynamics at the tool-part contact zone and its interpretation
- Principles of chatter theory and the interpretation of stability charts
- Prediction of process stability and planning of machining operations
- Troubleshooting machining vibrations in production and challenging problems
- Virtual machining of parts in CAM environments
- Digital machining assisted machine tool monitoring and control
- Demonstration of process planning and optimization with CUTPRO, MACHPRO, and NPRO

In case accommodation is needed, here are some hotel recommendations:

Motel One Stuttgart-Hauptbahnhof

Kriegsbergstraße 32

70174 Stuttgart

+49 711 286968-0

stuttgart-hauptbahnhof@motel-one.com

<https://www.motel-one.com/de>

Motel One Stuttgart-Mitte

Lautenschlagerstraße 14

70173 Stuttgart

+49 711 300209-0

stuttgart-mitte@motel-one.com

<https://www.motel-one.com/de>

Maritim Hotel Stuttgart

Seidenstraße 34

70174 Stuttgart

Telefon: 0800 3383-711

Fax: +49 (0) 711 942-1000

info.stu@maritim.de

<https://www.maritim.de/de/>

Kronenhotel Stuttgart

Kronenstraße 48

70174 Stuttgart

Telefon 0711-2251-0

Fax 0711- 225140-4

info@kronenhotel-stuttgart.de

<https://www.kronenhotel-stuttgart.de/>



Do not hesitate to contact us!



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