



Kölner  
Labor für  
Baumaschinen

[www.mobilearbeitsmaschine.de](http://www.mobilearbeitsmaschine.de)

Technology  
Arts Sciences  
TH Köln

# Call for Papers

7<sup>th</sup> INTERNATIONAL  
CONFERENCE ON  
MACHINE CONTROL & GUIDANCE

ONLINE | 25<sup>th</sup> - 26<sup>th</sup> November 2021

DIGITAL

MCG

Machine Control & Guidance

[www.mcg2021.mobilearbeitsmaschine.de](http://www.mcg2021.mobilearbeitsmaschine.de)



## INTRODUCTION

The 7<sup>th</sup> International Conference on Machine Control & Guidance will be held **online** from November 25<sup>th</sup> - 26<sup>th</sup> 2021, hosted by

**Technische Hochschule Köln  
and  
Kölner Labor für Baumaschinen**

We invite you to present and discuss recent developments in machine guidance and control technologies.



## CONFERENCE TOPICS

- Absolute and relative positioning
- Sensor fields of application in mobile machinery
- Data acquisition and evaluation for process optimization
- Dynamic modelling and simulation
- Methods for the simulation and design of machines and work processes
- Guidance and SLAM applications in mobile machinery
- Autonomous and automated mobile machinery
- Communication and connected systems (IoT)
- Development of components, drive systems and controls

## SUBMISSION OF ABSTRACTS

### LANGUAGE & LENGTH

The conference languages will be English and German.

We ask all interested parties to submit their suggestions in the form of an abstract (max.1200 words or 2 A4 pages) via

**mcg2021@mobilarbeitsmaschine.de**

Presenters should limit their lectures to 20-25 minutes, including time for discussion. You can submit the contributions in German or English.

Abstracts should be sent in PDF format using the following filename:

**MCG2021\_Topic\_AuthorName.pdf**

## DEADLINES

Submission of abstracts:	30.07.2021
Acceptance notification to authors:	27.08.2021
Full paper submission (no review):	16.10.2021

## Organizer

Prof. Dr.-Ing. Alfred Ulrich (Kölner Labor für Baumaschinen – TH Köln)  
Prof. Dr.-Ing. habil. Piotr Dudzinski  
(Department of off-road machine and vehicle engineering TU Wroclaw)

E-Mail: **mcg2021@mobilarbeitsmaschine.de**

Website: **www.mcg2021.mobilarbeitsmaschine.de**