



Kölner
Labor für
Baumaschinen

www.mobilearbeitsmaschine.de

Technology
Arts Sciences
TH Köln

Call for Papers

7th INTERNATIONAL
CONFERENCE ON
MACHINE CONTROL & GUIDANCE

ONLINE | 25th - 26th November 2021

DIGITAL

MCG

Machine Control & Guidance

www.mcg2021.mobilearbeitsmaschine.de



INTRODUCTION

The 7th International Conference on Machine Control & Guidance will be held **online** from November 25th - 26th 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

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| 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)

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