

*CiA workshop:
Digital construction site 4.0*

2023-12-14

Digitalization is entering modern construction sites. Construction machines are connected, using telematics solutions to increase the quality, precision, and efficiency of work. The utilization of the machines, the provision of operating media and building materials can be optimized on the digital construction site. Additionally, the (partial) automation of work steps allows work to be carried out more safely, since workers no longer have to operate in danger zones for complicated work steps. Typically, base for the digitalization are CAN-based (deeply) embedded control networks. Harmonized configuration, diagnostic, and process data, accessible by means of standardized access services, supports the integration of CAN-based applications into the cloud. The workshop provides a short overview about the already existing CiA profiles that ease the integration of CAN-based systems to the cloud. The subsequent discussion is intended to identify areas, where additional CiA specifications could assist system integrators/maintainers or where existing specifications should be extended/improved.

Date and time

December 14, 2023, Start: 13:00 to 15:00 (UTC+1), e-meeting

Agenda*

- Welcome, and introduction
- Overview on current CiA specifications, relevant for construction machineries and for linking CAN-based embedded networks to the cloud
- Presentations from attendees
- Discussion
- Workplan, and next steps

*The agenda is subject to change.

If you are interested in attending the workshop, please register at: secretary@can-cia.org.

Usually, CiA workshops are for CiA-members, only. On request, CiA-non-members are welcomed as well.

Contributions of the attendees, e.g. by means of short presentations of their challenges or use cases are appreciated. In case you like to contribute to the workshop, by means of a short technical-oriented presentation, please feel free to contact CiA office, as well.

Intended audience

Users and developers of CAN-based solutions, in the application field of construction machineries. Please contact: secretary@can-cia.org.