

# 7<sup>th</sup> 4DIAC Users' Workshop

[www.fordiac.org](http://www.fordiac.org)

held in conjunction with IEEE ETFA 2016,  
September 6<sup>th</sup>, 2016, Berlin, Germany

## Aims and Objectives:

The open source initiative 4DIAC ([www.fordiac.org](http://www.fordiac.org)) has been founded with the idea to support research activities and industrial adoption of distributed automation systems. During the last years, 4DIAC grew with new versions, added improvements and new features for the modeling of distributed automation systems and the corresponding execution environment. Moreover, a special focus was on the performance improvement of the runtime system. Even more important, 4DIAC as an IEC 61499-compliant distributed control environment for industrial and research applications has proven to be a stable basis. It supports future research towards the next generation of distributed automation and control systems based on open standards.

With this workshop we would like to bring the developers and users of 4DIAC together. The users are the main drivers of ongoing and future developments. This event should provide a discussion platform to present novel research and achieved results based on the 4DIAC open source project. Moreover, new ideas and approaches as well as near future plans for 4DIAC can be discussed turning this initiative into the position to become a larger framework for many application domains.

Contributions to this workshop may address, but are not limited to:

- Application of 4DIAC in automation projects across different industrial domains (manufacturing, robotics, logistics, energy, etc.)
- Extension to the runtime environment (FORTE) and engineering tool (4DIAC-IDE)
- Integration of new communication technologies/protocols and/or ports to new hardware platforms
- Interoperability with different automation systems
- Proposals for extending 4DIAC

Further details about the workshop is provided at [https://www.eclipse.org/4diac/en\\_uws.php](https://www.eclipse.org/4diac/en_uws.php)

Registration details: **TBD**