2nd 4DIAC
Users' Workshop

ETFA , Toulouse, France
September 9, 2011

www.fordiac.org

Agenda

- Welcome
  A. Valentini (O3NEIDA)

- Overview & Update
  A. Zoitl (ACIN)

- Session Communication Integration
  - New FORTE Communication Infrastructure
    M. Hofmann (Profactor)
  - EtherNet/IP as communication infrastructure for distributed control applications
    A. Zoitl (ACIN)
  - Accessing remote I/Os with Ethernet POWERLINK and 4DIAC
    F. Andrén (AIT)
  - SIFB set for accessing Beckhoff controllers using ADS protocol
    Guadalupe Morán (EHU/UPV)

- Session Application Modeling
  - Coordination control of a bin picking application
    M. Hofmann (Profactor)
  - Supervisory control of an injection molding machine
    A. Zoitl (ACIN)
  - 4DIAC for Smart Grids Applications
    T. Strasser (AIT)

- Plenary Discussion - Future Development of 4DIAC: Goals and Targets

O3NEIDA Motivation I

- The automation industry is characterised by highly proprietary environments

- Different technology platforms and tools often needed to develop specific applications

- No real interoperability and portability of solutions between technology platforms and related design environments

- Separated tools for the design of control systems and human-machine interfaces

- The IEC 61131-3 standard provides an incomplete basis for common modelling of distributed control systems/programs.

O3NEIDA Motivation II

- Reuse
- Re-configurability
- Portability
- Interoperability
- Complexity
- Time to Market
- Service Orientation
- Open source products: lessons from
  - Apple (Apps)
  - Google (Android)

O3NEIDA Commitment

- Support and promote of 4DIAC since its establishment
- Sustain the enlargement of the initiative to Develop it into a larger framework based also on other standards needed for fully covering all the design phases in different application domains
- Cooperation with other O3neida related activities:
  - O3neida IEC 61499 Working Group for Compliance Profiles
  - Use of 4DIAC in the FP7 MEDEIA project
- 4DIAC serves as an IEC 61499 environment for O3neida activities

Have a successful workshop!

Contact Speaker

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