ICALEPCS 2017 Workshop: PLC based control systems



Saturday 7 October 2017 - Saturday 7 October 2017

Barcelona (Spain)

Scientific Programme

Tracks illustrate the life-cycle of a PLC based application, from the requirements phase to the deployment and maintenance periods.

(1) Specifications

Best practices
Trace requirements

Documents and tools: Design, Implementation, User manual

(2) Project development

Standards and/or Frameworks.
Language choice, coding conventions
Novel paradigms: e.g. Automatic code generation, object orientation, external engineering tools, domain specific languages

(3) Testing and verification

Methodologies and tests (FAT, SAT) Simulation, virtual commissioning static analysis Verification: formal methods

(4) Application management

Versioning
Deployment
Online changes
Management of changes
Reverse Engineering