

Price List OPC Unified Architecture Workshops, valid from January 01, 2017

Unified Automations training program is conducted by our partner ascolab. Ascolab's main activities are manufacturer and industry independent consulting, design and development services regarding OPC based solutions. From the very first beginning, ascolab was and still is part of the core development group of OPC Unified Architecture. The team is involved in the specification work and is the leading development group of the official OPC Foundation ANSI C Communication Stack. We offer Seminars and Workshops to allow you to profit from the experience of over eleven years of OPC UA definition, evaluation and product development.

OPC Unified Architecture Introduction (two days)

This two day Seminar gives a detailed introduction to the base concepts of the new OPC platform Unified Architecture and provides an overview of all new features of OPC UA. Starting with the COM based OPC specifications it explains the requirements for OPC UA and describes the concrete implementation in OPC Unified Architecture with the two main features: generic modelling of data and platform independent transport of data. Another focus is on the migration of existing OPC applications to OPC Unified Architecture.

The following topics are targeted in the Seminar:

- From OPC COM to OPC Unified Architecture
- OPC UA Protocols
- Data modelling with OPC UA
- UA Services for accessing the data model
- OPC UA Security
- Platform independent UA applications
- Data Access in OPC UA
- UA State Machine and UA Programs
- Events in OPC UA
- Alarms & Conditions
- Historical Access

The target group are development managers, software architects, technical managers, developers and product managers.

Development of Applications for OPC UA (two days) (C++ and .NET)

In this two-day workshop, students learn to create their own OPC UA Server and Client applications by implementing the main features in sample OPC UA client and server applications. Students can use this knowledge to create their own connections to any device or system using OPC UA.

Students will learn to:

- Create a UA Server address space
- Connect a UA Client and navigate through the Server address space to find information
- Reading and writing of data
- Creation of subscriptions to monitor data changes and events
- Using UA methods

The target group are developers and software architects. The workshop requires base knowledge in object oriented software development and C++ or C#.

Prices and Conditions for Training

The prices include training, course hand-outs and refreshments during breaks and lunch. For dates and locations see www.unifiedautomation.com. All workshops are held in English unless all participants prefer German.

Unified Automation must have received your written registration at least ten business days before the course begins. Every registration will be confirmed by us in writing and becomes binding for both parties upon confirmation. Unified Automation reserves the right to cancel or reschedule the course at least ten business days before the intended start. Registered participants may cancel no later than ten business days before the beginning of the course without incurring any costs.

Training	Price ⁽¹⁾ Europe	Price ⁽¹⁾ North America
OPC Unified Architecture Introduction (two days)	€ 995,-	1490,- US\$
Introduction Remote Training (two days) ⁽²⁾	€ 795,-	1190,- US\$
Development of Applications for OPC UA (two days) ⁽³⁾	€ 995,-	1490,- US\$
Development Remote Training (two days) ^{(2) (3)}	€ 795,-	1190,- US\$

(1) Per person, all prices exclude tax.

(2) Remote training does not include refreshments; course hand-outs are provided in electronic form

(3) Available in C++ and .NET

In-house training

Based on the content of Unified Automation's OPC training courses, we can tailor the in-house training to your company's requirements. The training will take the participants' background knowledge into account and will focus on company and product related use cases. After an introduction to OPC UA technology, you will have the opportunity to discuss project specific requirements, you can design specific OPC UA information models for your system and you can start to develop a sample project together with our seminar leader.

The price for an in-house training is calculated based on the following positions. The price includes the training and the training material. The infrastructure for the execution of the training is provided by the customer.

	Price ⁽¹⁾ Europe	Price ⁽¹⁾ North America
Base price per day The base price includes 4 participants	€ 2000,-	2800,- US\$
Price per day and participant starting with 5th participant	€ 300,-	400,- US\$
Travel costs based on time and material travel time is calculated with 50,00 €/hour, ticket cost for train, flight and hotel are calculated plus 20% booking service charge, kilometres are calculated with 50ct per driven kilometre	According to effort	According to effort

(1) All prices exclude tax.

Incidentally the "General Conditions for the Supply of Products and Services" (AGB) are applied in the version of May 2003.

Registration



Fax: +49 911 495 25009
Email: sales@unifiedautomation.com

Unified Automation GmbH
An der Kaufleite 34
90562 Kalchreuth
Germany

I am registering for the following Seminar / Workshop / Training:

Title: _____

Date: _____

Location: _____

Language: _____

Programming Language: C++ .NET

Important: All workshops are held in English unless all participants prefer German.

Name Attendee: _____

Email Attendee: _____

Phone: _____

Fax: _____

Company Name _____

Company Address: _____

Invoice Address (if different): _____

Purchaser (if different): _____

Date / Signature _____

Additional Attendees: _____

(Name, Email) _____

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