

## Apros Training Course – General Features and optional SCL day

Apros Training Course – General Features will be organised by VTT on Monday, June 3<sup>rd</sup> – Wednesday, June 5<sup>th</sup>, 2019. The optional SCL (Simantics Constraint Language) day is on Thursday, June 6<sup>th</sup>.

Apros is a tool for system-wide modelling and dynamic simulation of industrial processes. With Apros, one can build up a dynamic model of an installation including process, piping, automation and electrical systems, based on P&I diagrams and other engineering data. Apros is globally used, e.g., in process and automation engineering, safety analyses and training systems. For more information, see <http://www.apros.fi/en/>.

The 3-day training course is targeted to new users, and no modelling background is required. During the course, the main software features are introduced, the unit model libraries and calculation principles presented, and example models built up in the hands-on exercises. The course is supervised by Apros top experts. The course gives sufficient knowledge to join a project team building and using Apros simulation models as well as to initiate one's own modelling project.

The optional SCL training day promotes modelling and simulation efficiency by scripts. The participants learn to batchwise run simulation experiments, configure model structures, modify model parameters, create functions and calculations in User Components, make queries, etc. It is also possible to only attend the SCL day, if one has at least basic level knowledge in using Apros.

The participants shall use their own laptops (64-bit Windows, computer mouse needed) in the training. The Apros software will be installed beforehand and the course fee includes a 1 month evaluation period. In case of any problems to use own laptop, please contact the course coordinator.

The lectures and exercises take place in Vuorimiehentie 3 (Otaniemi), Espoo, Finland. Registration takes place in the same building, see number 13 in the map:

[http://www.vtt.fi/files/vtt/vtt\\_mapespoo.pdf](http://www.vtt.fi/files/vtt/vtt_mapespoo.pdf).

The price for the basic 3-day course is 1590 € (+VAT), and 700 € (+VAT) for the optional SCL day.

Please note that the maximum number of participants in the course is 12 persons and the minimum is three (3) participants. The trainees are accepted in the order of registration. Please use the registration form below and include your signature. VTT will send a confirmation message by e-mail.

For more information about the course and assistance in practical arrangements, please do not hesitate to contact me.

### Contact person

Mr. Sixten Norrman      E-mail: [sixten.norrman@vtt.fi](mailto:sixten.norrman@vtt.fi)

Phone: +358 40 593 8685

## Registration

To register, please fill in and sign this registration form and send it to [sixten.norrman@vtt.fi](mailto:sixten.norrman@vtt.fi) (P.O.Box 1000, FIN-02044 VTT). The deadline of the registration is Friday, May 15<sup>th</sup>, 2019.

Course dates and prices (tick your choice):			
	General Features, 3 days	June 3 <sup>rd</sup> – 5 <sup>th</sup> , 2019	1590 € (+VAT)
	SCL, 1 day	June 6 <sup>th</sup> , 2019	700 € (+VAT)
Total sum (+VAT)			

Name:	
Title:	
Organisation:	
Contact Address	
Address:	
Postcode and town:	Country:
Phone:	Fax:
Email:	
Invoice Address – if not the same as the Contact Address	
Address:	
Postcode and town:	Country:
Organization VAT number for invoicing:	
Additional information e.g. educational background and special interests regarding the training course.	
Date and Place:	Signature + clarification of signature: