

Improvements to modular assembly system solutions and design methods

Racing towards more intelligent assembly systems solutions

A public seminar presenting results from Finnish collaboration in E-Race project
Special focus on electromechanical final assembly

Time 28 March 2006, 9.00 - 15.15 o'clock
Location VTT Technical Research Centre of Finland
Address Vuorimiehentie 3, FI-02044 VTT (Espoo)

9-10 Registration, coffee
Software Demos and presentations

Review of Eureka EI-2851 E-Race project

10.00-10.10 Opening and welcome - Paavo Voho, VTT
10.10-10.30 E-race International - Gavin Murray, TQC
10.30-10.45 E-race Finland overview - Juhani Heilala, VTT

Industrial Results - on the market

10.45-11.15 Dynamic Assembly Systems - Standardized flexibility - Mats Lillqvist, Flexlink Automation Oy
11.15-11.45 Visual Components 3D Framework - open platform for visualisation and simulation - Mika Anttila, Visual Components Oy
11.45-12.30 Lunch

Research Results - for system design

12.30-13.00 Feature-Based Modeling and Analysis for Knowledge-Intensive Concurrent Engineering in Final Assembly - Ricardo Velez, TUT, Tampere University of Technology
13.00-13.30 Select Right System - Assembly System Comparison with Total Cost Ownership methodology - Juhani Heilala, VTT
13.30-14.15 International results, presentations - Daniel Smale, TQC
14.15-14.25 Coffee
14.25-14.35 Remarks and future collaboration - Juha Heinola, Tekes
14.35-15.05 Round table, all E-race Finland development partners
15.05-15.15 Closing remarks

National co-ordination at VTT (more information about the event)

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Seminar is free of charge but registration is mandatory since the number of available seats is limited. Your registration to the seminar prior to 23 March, 2006 is highly appreciated.

To register, please email: Riitta.laitinen@vtt.fi, or fax: +358 20 722 7076
Mention also if you have any special dietary requirements.

Web site:

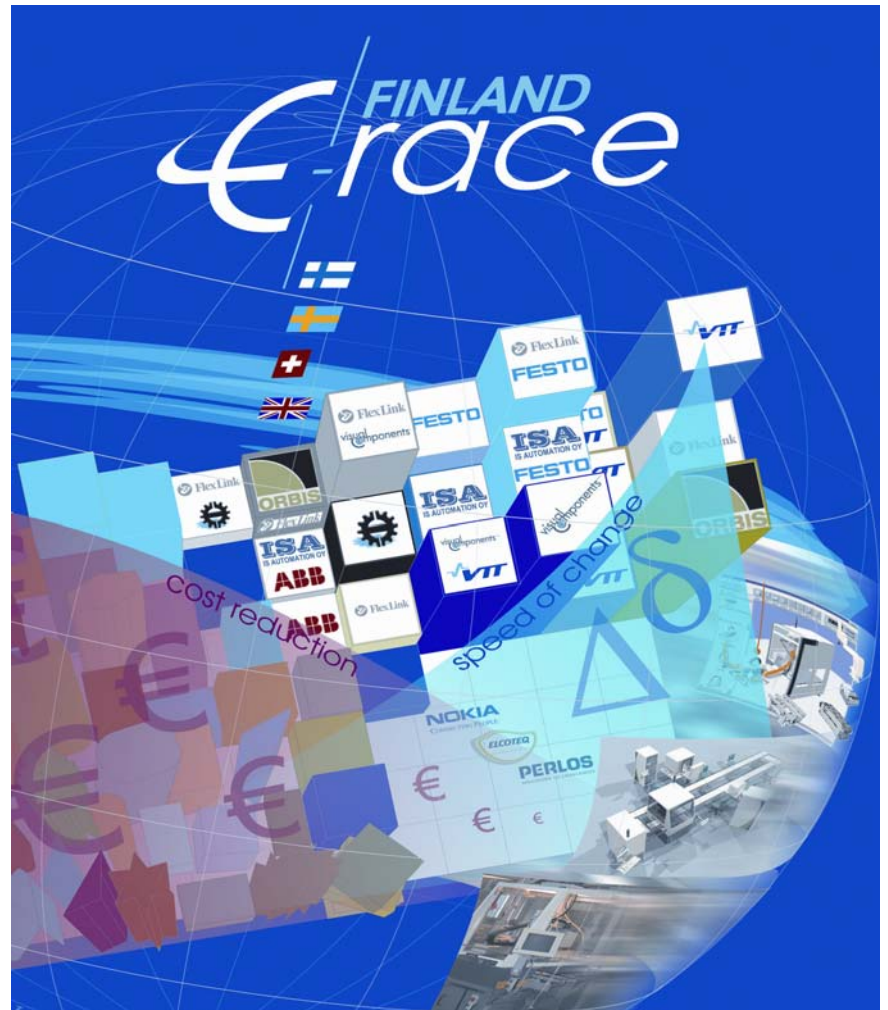
E-Race International web site: <http://www.e-race.info/>

A public seminar presenting results from Finnish collaboration in E-Race project **E-Race Finland Final Event**

End-users, technology providers, system integrators and research institutes in Finland have worked together as part of the Eurake E!-2851 Factory E-Race project. E-Space for Collaborative Manufacture of Re-Configurable Assembly Cells: A practical approach to collaborative assembly cell design and manufacture by SMEs, <http://www.e-race.info>.

National focus in Finland has been in electromechanical final assembly systems. Especially consumer electronics is facing challenges; cost reduction needs and speed of change needed in the production systems due to shorter life-cycles.

Partially development results are already in the market.



The E-Race Finland consortium has produced:

- Scalable, modular, reconfigurable and more intelligent assembly system solutions for dynamic markets with optimised levels of automation; new concepts and system modules
- Standardisation and interoperability based on IPC/CAMX in different life-cycle phases of the modular assembly systems
- Improved assembly planning, system design, configuration and analysis, new system concepts and methods for trade-off analysis
- Improved communication and collaborative engineering between system suppliers and end-users

Web site:

E-Race International web site: <http://www.e-race.info/>