mark your calendar

Portland, OR

January 27, 2004

San Jose, CA

January 29, 2004

Real-Time & Embedded
computing conference

bringing an essential resource to you

January 27, 2004
Best Western Greenwood Inn
10700 SW Allen Blvd.
Beaverton, OR 97005
503-643-7444

www.rtecc.com/portland

January 29, 2004
Doubletree Hotel
2050 Gateway Place
San Jose, CA 95110
408-453-4000

www.rtecc.com/sanjose

8:00 am – 3:00 pm

We invite you to be our guest at the
Real-Time & Embedded Computing Conference

Complimentary Exhibits • Technical Sessions • Parking • Lunch

Discover your solution to keep your project
and company ahead of the competition

Register now at www.rtecc.com or call 800-755-7380

To view future dates and locations online, go to www.rtecc.com

Real-Time & Embedded
computing conference

Portland
San Jose
Copenhagen
Phoenix
Denver
Salt Lake City
Milan
Rome
Melbourne
Huntsville
Madrid
Barcelona
Minneapolis
Zurich
Chicago
Munich
Boston
Greenbelt
Austin
Dallas
Houston
Dayton
Sydney
Melbourne
Los Angeles
San Diego
Helsinki
Stockholm
Toronto
Ottawa
Montreal
Gothenburg
Oslo
Paris
Eindhoven
Washington D.C.
Pax River
London
Taipei
Vancouver
Seattle
Augusta
Tel Aviv
Raleigh/Durham

real-time & embedded
computing conference

Your Essential Resource. This single-day event is specially designed for people developing computer systems and time-critical applications serving multiple industries, such as: military and aerospace, industrial control, data communication and telephony, instrumentation, consumer electronics, image processing, process control, medical instrumentation, vehicular control and maintenance, embedded appliances and more.

Technology Knows No Borders. Around the globe thousands of your peers attend the Real-Time & Embedded Computing Conference every year. Join us and be a part of an event that offers what you need to get ahead.
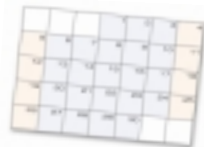
Open-door Technical Sessions. Get the latest information on growing and emerging technologies in multi-track sessions presented by industry experts.

Exhibition. Your Resource Opportunity.
A unique personal and professional setting to talk face-to-face with experts who are integrating a wide range of products into projects every day. Compare technologies, ask questions and learn about all the options available.

Single Day Events. Appearing in strategic locations around the globe, this event happens once a year in your location. It is now in your area.

Pre-register by January 22nd and we'll have a badge waiting for you. Register Online at www.rtecc.com or call The RTC Group at 800-755-7380

Open-door Technical Sessions

Portland, OR
Tuesday, January 27

9:30 – 10:15 am

VME Renaissance Technology
presented by Motorola Computer Group

Redefining Embedded Development
presented by Wind River

9:30 – 10:30 am

Windows® XP Embedded Technical Seminar
presented by Microsoft and partner, VenturCom

10:45 – 11:30 am

The Role of an Operating System & Network Stack
in Designed High Reliability Networked Devices
presented by Green Hills Software

10:45 – 11:45 am

Windows® CE .NET Technical Seminar
presented by Microsoft and partner, VenturCom

Be Our Guest for Lunch

12:45 – 1:30 pm

Accelerating your Development with LynxOS,
A Linux-Compatible RTOS
presented by LynuxWorks

Bringing Real-time and Remote-Boot Features to
WindowsXP and 2000
presented by VenturCom

1:45 – 2:30 pm

Debugging Techniques with an RTOS
presented by Accelerated Technology Embedded Systems

New Developments in Embedded Linux
presented by MontaVista Software

San Jose, CA
Thursday, January 29

9:00 – 9:45 am

To Bridge or Not To Bridge: That is the Question
presented by Momentum Computer

VME Renaissance Technology
presented by Motorola Computer Group

How to Build Fast and Fool-proof FPGA
Communication Networks
presented by Nallatech

Choosing the Right Real-Time Operating System
presented by Pentek

9:00 – 10:00 am

Windows® XP Embedded Technical Seminar
presented by Microsoft and partner, BSquare

Embedded Networking with CAN and CANopen
presented by Embedded Systems Academy
and Philips Semiconductors

10:00 am

CAN (Controller Area Network) In-depth Training Class
Trainer: Bill Sietz, with CAN in Automation - North America
Specialized one-day Training Course
(fee to attend this class only)
for details and registration to attend this class,
visit www.can-cia.org

10:15 – 11:00 am

The Role of an OS and Network Stack in Designed High Reliability Networked Devices
presented by Green Hills Software

New Developments in Embedded Linux
presented by MontaVista Software

Advanced Management for Packet-Based Platforms
presented by Performance Technologies

Data Distribution Service (DDS) Middleware Standard for Real-Time Applications
presented by Real-Time Innovations

Enhanced Performance in Fibre Channel Communications
presented by Systran

10:15 – 11:15 am

Windows® CE .NET Technical Seminar
presented by Microsoft and partner, BSquare

11:30 – 12:15 pm

Real-Time Embedded Applications Database Management
presented by Birdstep Technology

How to Choose the Right OS for Your Embedded Device
presented by BSquare

Accelerating your Development with LynxOS, A Linux-Compatible RTOS
presented by LynuxWorks

FPGA Architectures for Signal Processing
presented by Mercury Computer Systems

Using Eclipse-based Diagnostic Tools to Isolate Shared Resource Problems
presented by QNX Software Systems

Redefining Embedded Development
presented by Wind River

Be Our Guest for Lunch

12:30 pm

Luncheon Keynote Presentation

The State of Embedded Linux

Rick Lehrbaum, founder and Editor-in-chief of LinuxDevices.com (aka the "father of the Embedded Linux Consortium") will offer his perspective on embedded Linux and the Embedded Linux Market. Rick's presentation will highlight OS and vendor market shares and growth trends, summarize the strengths and weaknesses of embedded Linux, and show-case cool devices and applications based on embedded Linux.

1:15 – 2:00 pm

Debugging Techniques with an RTOS
presented by Accelerated Technology Embedded Systems

High Reliability in Embedded Flash File Systems
presented by Datalight

Real-Time CORBA
presented by Objective Interface Systems

Bringing the OSE Direct Message-Passing Advantage to Virtually Any OS Platform!
presented by Enea Embedded Technology

Serial Switched PCI: Expanding Architectural Capabilities
presented by Stargen

Specifying Parameters for Real-Time Networks
presented by Systran

Real-Time & Embedded computing conference

The Real-Time & Embedded Computing Conference.
A distinctive collection of conference sessions and exhibits specifically for embedded computing engineers, managers and decision-makers.

Join us for an in-depth look from dozens of technical experts in the real-time and embedded marketplace. We know your time is valuable, spend it wisely

Exhibitors

Exhibit Hours
8:00 am – 3:00 pm

Portland/San Jose

exhibitors as of January 12, 2004

AAEON Electronics	Elotek Systems	Objective Interface Systems
Accelerated Technology	Embedded Systems Academy	Octagon Systems
ACT/Technico	EMJ Embedded Systems	Pentek
American Arium	Enea Embedded Technology	Performance Technologies
Ampex Data Systems	Everest Consultants	Philips Semiconductors
Annapolis Micro Systems	Express Logic	Phillips Components
Aonix	General Software	Phoenix International
Applied Data Systems	Green Hills Software	PHYTEC America
APW Electronic Solutions	Hagiwara Sys-Com	QNX Software Systems
Arbor Solution	IAR Systems	Radstone Technology
Arise Computer	Interphase	Real-Time Innovations
AutoTime	J-Squared Technologies	RTC Books
Birdstep Technology	Keil Software	SBE
BittWare	Kontron	SBS Technologies
BSquare	Kyocera Industrial Ceramics	Solflower Computer
CAN in Automation	Lauterbach	StarGen
Catalyst Enterprises	LynuxWorks	Synergy Microsystems
Condor Engineering	Mercury Computer Systems	Systran
Datalight	Metrowerks	Thales Computers
Dawn VME Products	Microcross	TimeSys
Diversified Technology	Microsoft	Transmeta
Diamond Systems	MKS Instruments	Ultimate Solutions
DNA Computing Solutions	Momentum Computer	VenturCom
Dolphin Interconnect	MontaVista Software	VMETRO
DoubleWide Software	Motorola Computer Group	Wideband Systems
Echotek	Nallatech	Wind River
Elma Electronic	Nohau	Zendex

* *Not every exhibitor at both locations.*
Visit www.rtecc.com for specific exhibitor list by location

Complimentary Exhibits • Technical Sessions • Parking • Lunch

walk in guests are also welcome

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a unique event of industry leaders

Event Sponsors

Gain Insight with these Unique Technical Seminars

Get the tools, information and insights you need to develop the next generation of smart mobile and small-footprint devices. You are invited to attend the Windows® XP Embedded and Windows® CE .Net seminars as our guest, and get FREE copies of the Microsoft Windows Embedded Evaluation Kit.

Windows® XP Embedded Technical Seminar (1 hour) - As a componentized version of Windows XP Professional, learn how to quickly develop reliable, full-featured connected devices using the robust features of Windows® XP Embedded. Windows® XP CE .Net Technical Seminar (1 hour) – Find out how Windows CE .Net delivers a robust RTOS for rapidly building smart mobile and small-footprint devices; and see the expanded features.

Visit these Microsoft Windows Embedded Partners in the exhibit hall:

Special Sessions on High Performance, High Availability Data Communications
– in San Jose only

Specializing in Serial FPDP, shared memory networking, Fibre Channel networking, MIL-STD-1553 interfaces, low-latency digital switches and Mezzanine-based I/O products, Systran invites you to attend two special presentations:

Enhanced Performance in Fibre Channel Communications (10:15-11:00am) - This special presentation spotlights highly optimized software solutions that maximize bandwidth utilization and deliver high throughput for various Fibre Channel systems. Specifying Parameters for Real-Time Networks (1:15-2pm) - The proper specification of network parameters allows a single physical layer to handle a complex mixture of network traffic. It is important to look at throughput requirements along with latency and deterministic needs. This presentation looks at specifying these programs based upon the application being performed

CAN (Controller Area Network) in Automation One-day Training Class
– in San Jose only

The international users' and manufacturers' organization, CAN in Automation (CiA), is offering a one-day training class for embedded control decision makers who want to learn if CAN fulfills their communications-related technical needs of their applications. This class is also designed for development engineers and systems integrators of embedded networks to get an overview of CAN and its higher-layer protocols. Topics include an introduction into CAN, CAN application fields, the CAN protocol and physical layer, as well as CAN-based higher-layer protocols and CAN standardization.

The class consists of a two-hour morning session and a two-hour afternoon session. Ample time is provided to also attend the Real-Time & Embedded Computing Conference event. Class space is limited and it is necessary to pre-register. No previous CAN training or experience is necessary. The fee for this class is $325 USD.

To register, visit www.headquarters@can-cia.org or contact Bill Seitz for details at 603-472-4784

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the RTC Group

927 Calle Negocio, Ste. G
San Clemente, CA 92673

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January 29, 2004

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