

# e u r o p e a n CONNEXTION

THE NEWSLETTER FOR MEMBERS OF THE EU HITACHI SCIENCE & TECHNOLOGY FORUM

ISSUE 17

MARCH 2004

## Editorial note



Thank you to all of you who wrote to me after my introductory email to the forthcoming Stockholm meeting. Your answers help the Forum get on the right path to reflect the views of committed Europeans on

science and technology and their impact on European society.

The 2004 Forum agenda reflects the changes and improvements you suggested. Through the guidance of Mr. Konidaris, Forum moderator, overlapping of different presentations should be limited.

By putting the introductory sessions on the Friday evening, we are able to leave more time for Q&A following each session, and add a general Q&A session on the Sunday morning with most of the speakers participating.

To launch the working groups discussions Hitachi R&D professionals will present the company's latest achievements.

All of this should lead to greater synergies and deeper discussions. The arrival of participants to the EU-Japan Executives Exchange Program, who got internship with Hitachi in Japan, will also add to our debate.

So Stockholm looks very exciting. More speakers will be joining us this year, and most of them will be with us for the full Forum, to all of them our deepest gratitude, and also to our Swedish friends who have helped us so much in shaping the agenda and organizing the optional visit.

See you soon in Stockholm and travel safely.

**Norikiyo Koide** General Manager  
Hitachi Corporate Office, Europe

## Hitachi's R&D Approach to the Transport Infrastructure Market

**Yasushi Fukunaga**, General Manager, Hitachi Research Laboratory

Hitachi has produced several types of application products based on its motor and actuator control technology, from electric power plants to household electrical appliances. For railways Hitachi has manufactured various kinds of train systems, including the bullet train (Shinkansen), and in the automobile field it has created components such as alternators and motors.

Hitachi also applies computer control technology, based on computer systems and microprocessor technology, to the development of train traffic control systems, electric power supply systems and car navigation systems.

As environmental issues become serious global concerns we are seeing various innovations in transport infrastructure, especially in the field of automobiles where many motor drives have been introduced into hybrid vehicles. For this reason, Hitachi is developing cost effective components including motors, inverter equipment, microprocessor-based controllers, batteries for storing regenerative energy, millimetre wave radar sensors, in-vehicle cameras, and communication and control networks to name a few. These technologies are contributing to the realization of vehicle safety.

For railways, Hitachi will introduce over 300km/h-class rapid transit railway systems, monorails and new transit traffic systems, as well as station computerization and more. It will also share technologies among the railway and automobile fields to realize unique systems such as a hybrid locomotive system based on hybrid vehicle technology.

These activities are making Hitachi one of the best suppliers of conglomerate technology.

*(illustration on next page)*

## Why I will be in Stockholm

**Guillaume Leborgne**, Forum Member.

Each year, Hitachi invites us to gather at the EU forum. But why, year after year, should we participate in this forum? I can't answer for all of you. But I can explain my point of view.

For years, Europe has been building. Today we are not just German, British, French or Belgian, we are also Europeans. However, it is sometimes difficult to feel the commitment to Europe, as it implies a lot of new rights and new responsibilities. The Hitachi Europe Forum helps me feel more European. Spending a few days discussing with other European citizens helps me realize that, however different we are, those >>>

>>> differences are small and meaningless. Visiting other European cities also helps to keep an open mind. Another thing is that I want to be active in the growth of the EU. Hitachi offers us a way to be architects in the building of Europe. Our participation to the EU through the Forum is modest, but it is a unique opportunity to be involved and to help actions go forward.

In this way, I hope that the Forum will increase its commitment with the European Parliament, so that we can be more and more active in EU life. Last but not least, the Forum is an opportunity to educate ourselves. We can listen to presentations about technological and societal problems that we are, perhaps, not aware of. Learning more is the only way to understand the problems we might

face, and to spread the message after the Forum.

So for these reasons I would like to thank, one more time, Hitachi for organizing the forum, and add that I am looking forward to meeting even more Europeans in Stockholm.



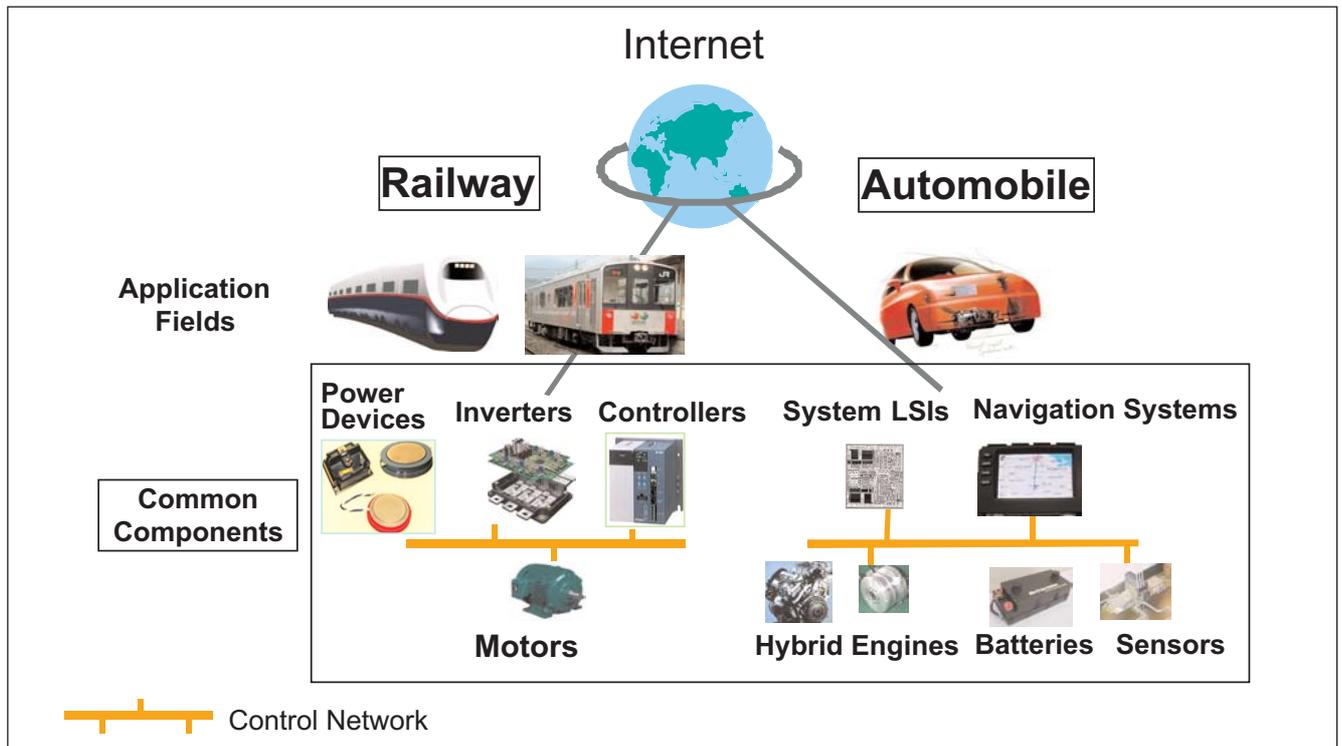
## Stockholm: a city like no other

A city built on 14 islands, where you are never far from the water. Well-preserved medieval buildings stand alongside modern architecture. Stockholm is also home of the Nobel Prize. And just outside the city, the archipelago of 24 000 islands is waiting to be explored.

Stockholm is a city of contrasts - water and islands, history and innovation, small town and big city, short winter days and long, light summer nights - with a dazzling array of impressions. Thanks to the city's compact size, you can see and do most things in a short space of time - which makes it a perfect destination for city breaks or longer stays, all the year round.

More: <http://www.stockholmtown.com>

## Evolving Transportation System on Advanced Network



Visit the new  
Forum homepage:  
[www.hitachiforum.com](http://www.hitachiforum.com)



See you there...  
The 7th EU Hitachi  
Science and Technology  
Forum 2004  
Sheraton Hotel, Stockholm  
Friday May 14 -Sunday May 16  
The theme will be:  
"Transportation and IT, Impact  
on European Society".

European Connexion is published  
by Norikiyo Koide and edited by  
Yukako Kinoshita.

The Hitachi Corporate Office,  
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