

# ABB: Concepts for the metal industry



Dr. Ian Bird-Radolovic,  
development engineer for ABB Robotics,  
represents ABB in the EPSG.

ABB Automation Technologies is the leading supplier of industrial robots with over 100,000 installations worldwide. Most robot systems have at least 6 servo axes, making us one of the largest servo drive purchasers in the world.

For us, Powerlink represents an open standard for communication between internal robot axes and external process axes that can be implemented in a cost-effective and reliable manner. This increases user-friendliness and flexibility for our end customers.

Of course, our systems not only consist of motors; they also contain various sensors and process I/O components that can be connected to a plant network. It would be very advantageous to have a common, robust platform for all of these different I/O points.

Powerlink is an economical solution that allows the use of standard hardware with a good approach for cost reduction and increased performance. Additionally, Powerlink uses standard Ethernet frames, so we can also implement a wide range of network tools to analyze data flow. The capability to send TCP/IP via a Powerlink network allows web-based status monitoring of the plant network, further increasing the value for the end customer.

## tradeSHOWS

march to may 2004



**Automaticon**  
Warsaw, Poland  
March 23rd - 26th, 2004

Automaticon is the major automation trade fair for Poland. The focus is on measurement and control technology, automation, robotics, drive technology as well as measurement technology for industry and science.



**AMPER**  
Prague, Czech Republic  
March 30th - April 2nd, 2004

This is the 12th annual international trade fair for electrical engineering and electronics. The fair will take place on the PVA Letnany Exhibition Ground.



**HMI**  
Hanover, Germany  
April 19th - April 24th, 2004

Approximately 5,500 exhibitors will be presenting solutions for all industrial branches in eight trades fairs. With the combination of INTERKAMA+ and the Factory Automation fair, the entire world of Process and Production Engineering is presented in Hanover.



**drupa**  
Düsseldorf, Germany  
May 6th - May 19th, 2004

At the Print Media exhibition drupa 2004, exhibitors will be presenting solutions spanning from the preliminary printing and media stage, including printing, bookbinding and print processing throughout the entire pre-press and post-press process.