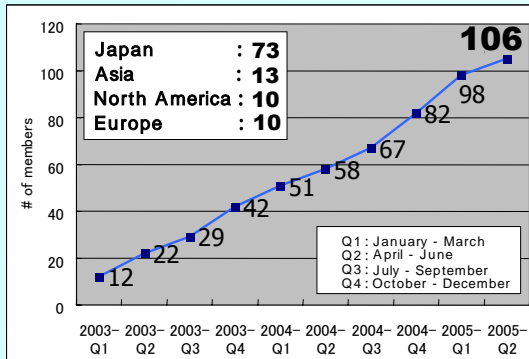


MECHATROLINK News delivers the latest information on MECHATROLINK.

MECHATROLINK Members Club

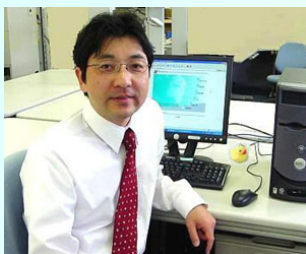
When the Club was established in 2003, 12 companies joined as members. Since the establishment, the number of our members has been steadily increasing. As of June 2005, the Club developed into an organization of 106 member companies.

Furthermore, there has been an increase in our members not only in Japan but also overseas. The overseas members include 13 companies in Asia, 10 companies in North America, and 10 companies in Europe. The MECHATROLINK has been spreading internationally as a more global motion network.



Introduction of New MMC Secretariat

Let me introduce myself. I am Takeshi Tanaka from the Yaskawa Electric Corporation, and it is a great honor for me to be the new secretariat of the MMC. Due to the efforts of our members, the use of MECHATROLINK as an open motion network has been spreading and related products are steadily being developed. As a result, I am sure that the recognition value of MECHATROLINK is increasing among network users. I would like to promote the further increase in the size of our membership and increase in the number of MECHATROLINK-related products through greater participation in outside activities, such as exhibitions or seminars, in order to improve the convenience of MECHATROLINK for our users. I would very much appreciate any comments and guidance from our members.



Takeshi Tanaka

Overseas Exhibition Report

From June 14 to 17, 2005, the Ninth FA/PA Exhibition 2005 was held in Beijing. MECHATROLINK Members Club also participated in the Exhibition with the cooperation of its partner companies.

[Participating partners]

Yokogawa Electric Corporation, Koyo Electronics Industries Co., Ltd., Omron Corporation, Algo System Co., Ltd., Yaskawa Electric Corporation

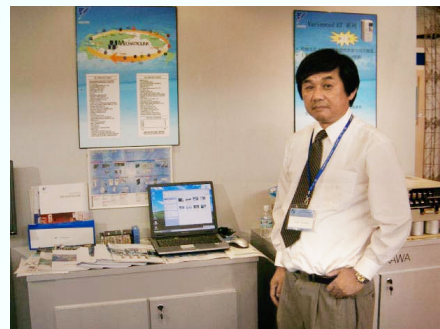
It was the first time for MECHATROLINK Members Club to participate in an exhibition held in China. The staff strongly promoted the following advantages of MECHATROLINK:

- MECHATROLINK is a network specializing in motion control.
- Since MECHATROLINK is in an open architecture, any manufacturer can commercialize it.

We aim to increase members in China in the future as well as to be the de facto standard in motion network.



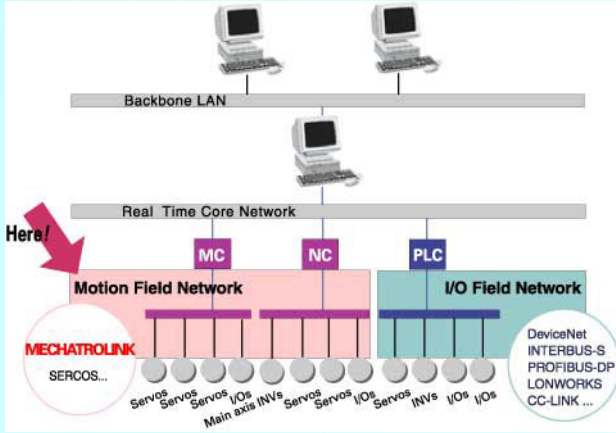
Snap shot of the exhibition hall



The staff beside the display of MECHATROLINK

Positioning of MECHATROLINK

MECHATROLINK is a Field Network positioned as a **Motion Field Network**. A Field Network connects devices which drive final control elements such as I/Os and actuators, and gather control information.



The MECHATROLINK Members Club was established in January, 2003. The MECHATROLINK Members Club is promoting spread activities aiming at de facto-standardizing of MECHATROLINK.

MECHATROLINK Transmission Specifications

MECHATROLINK has two kinds of transmission Specifications.

MECHATROLINK		
Transmission Specifications	MECHATROLINK-II	MECHATROLINK-I
Baud Rate	10 Mbps	4 Mbps
Maximum Transmission Distance	50 m	50 m
Minimum Distance between Stations	0.5 m	0.5m
Transmission Cable	Shielded twisted-pair wire	Shielded twisted-pair wire
Number of Stations	30	15
Topology	Bus	Bus
Cycle Time	250 μ s to 8 ms	2 ms (fixed)
Communications Method	Master/slave synchronous	Master/slave synchronous
Encoding	Manchester encoding	Manchester encoding
String Size	17 bytes or 32 bytes	17 bytes

About the MECHATROLINK Center

The MECHATROLINK Center is performing all business for managing the MECHATROLINK Members Club.

The MECHATROLINK Center is also carrying out registration of an admission application to the MECHATROLINK Members Club.

Why Don't You Join the MECHATROLINK Members Club?

Join the MECHATROLINK Members Club if the following applies to you!

- Want to develop a controller that enables various motion control solutions by connecting to MECHATROLINK products.
- Want to develop equipment that can be connected to MECHATROLINK in order to increase business opportunities.
- Want to learn the latest MECHATROLINK specifications and develop products taking advantage of motion control.

If you join the MECHATROLINK Members Club:

- You can obtain the MECHATROLINK specifications.
- You can obtain the latest information on MECHATROLINK.
- You can obtain technical support for all the processes including product development.
- You can participate in PR activities for MECHATROLINK-compatible products.
- You can participate in exhibitions in collaboration with us.

First, please look at the following website.

<http://www.e-mechatronics.com/mc/>

(Go to MECHATROLINK from the menu.)

Contact:

If you want to join the MECHATROLINK Members Club or have any inquiries, please contact us below:

MECHATROLINK Center (Yaskawa Electric Corporation Solution Center)

Tel: 81-4-2962-7920 Fax: 81-4-2964-1380

E-mail: mlc@yaskawa.co.jp

Upcoming Schedule

- July MMC Second Anniversary Party: July 1
MECHATROLINK-III press release
- October Operation of the MECHATROLINK private organization start: October 1
- November System Control Fair 2005: November 15 -18

Publication: July 1, 2005

Publishing office: MECHATROLINK Center
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