

Delta Tau Newsletter
Summer | 2011

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DELTA TAU
Data Systems Inc.

NEWS in MOTION

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Upcoming Tradeshow

SEMICON WEST 2011

Semicon West is considered the flagship global event for microelectronics manufacturing! Don't miss us July 12 - 14 in Booth #6181, at the Moscone Center in San Francisco, CA. For a complimentary Visitors Badge, email monica@deltatau.com

POWER PMAC

motion control innovation

Controlling the Advanced Technology Solar Telescope:

Power PMAC was chosen to control the largest **solar telescope** in the world! The Advanced Technology Solar Telescope (ATST) has unprecedented abilities to view details of the sun, and



needed to have the most sophisticated control system available. The ATST project is expected to provide the sharpest views ever taken of the solar surface. Through the use of the ATST, scientists expect to learn how cosmic magnetic fields are generated and destroyed, and learn what role the fields play in the organization of plasma structures and the impulsive releases of energy found everywhere in the universe. Even more importantly, researchers are interested in the mechanisms responsible for solar variability that eventually affects the Earth.

[Learn More](#)

Motion Feature

Adaptive Servo Control: The Power PMAC's Adaptive Servo Control feature provides a sophisticated servo capability that identifies in real-time, the inertia changes in a motion system and automatically compensates and adjusts the servo loop gain, giving you a consistently smooth, high performance closed-loop system.



Did You Know?

The new **Power PMAC IDE Software Environment** includes an intuitive and detailed on-line help function. Its simple! Just highlight the variable or function, click F1, and pertinent information regarding the topic is displayed. To learn more about our product features, ask technical questions, or simply view our technical discussions with some of the most brilliant engineers in the world, [JOIN OUR FORUM!](#)



Training 2011

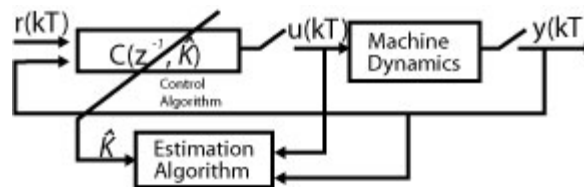
Power PMAC Training

- August 1-4
- Sept 26-29
- Nov 14-17

Turbo PMAC Training

- July 25-29
- Sept 19-23
- Nov 7-11

Delta Tau also offers customized onsite training at your facility. For more information, [visit our website.](#)



[Learn More](#)

New Product Coming Soon

Universal Serial Encoder Interface for Turbo PMAC Clipper

Delta Tau will shortly release the **ACC-84S** Universal Serial Encoder Interface Board which provides up to four channels of serial encoders to be read by Delta Tau's Turbo PMAC2 Eth Lite (Clipper) and Turbo



PMAC2A/PC104 controllers. The ACC-84S supports multiple serial protocols including the Biss C (Unidirectional), EnDat 2.2, SSI, and Yaskawa Sigma II & III. The Universal Serial Encoder Interface is also currently available for other Delta Tau form factors: UMAC (ACC-84E), CPC1 (ACC-84C) and our Brick Family of products when ordered with the proper option.

[Learn More](#)

Working with **ABB**:

Delta Tau in collaboration with ABB is proud to announce the recent addition of the **MACRO** (Motion and Control Ring Optical) fieldbus network to ABB's ACSM1 Motion Drive! The new FMAC-01 Adapter (the **MACRO**



interface) will provide an exceptional range of Power and Performance to a MACRO based system. Delta Tau has been listed as an ABB Strategic Partner, and will exclusively handle U.S. sales of the FMAC-01 Adapter. Delta Tau will also handle sales of other ABB products including Drives, Motors, plc's etc. Please contact the Sales Department by emailing sales@deltatau.com for more information.

Delta Tau in Motion...



Customer Survey

Complete our Survey for a chance to win: We want to hear from you! Your opinions and recommendations are very important in helping Delta Tau ensure that the products and services they provide are constantly improving to meet and exceed your expectations. Please take a few minutes to offer your candid ratings by taking our brief survey. All completed survey's will be entered into a drawing for a chance to win an iPad2! Winner to be announced July 21, 2011.

[Take our Survey](#)



Driverless-Testing: The video you are about to watch (in German and English) demonstrates usage of ABD Robots for development of Daimler ADAS systems using Delta Tau precision Motion Control Technology. This driverless protocol is used to test maneuverability in potentially dangerous situations. Automatic test driving allows for high risk testing, with minimal risk to test drivers.

[Watch in English Now](#)

[Watch in German Now](#)

Contact Delta Tau UK for more information. e-mail:

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