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### SoftinWay Active at IGTI Congress 2007 in Tokyo

From the 2nd to the 7th of December, 2007, with the support of collaborating technical societies in the world, the 9th annual International Gas Turbine Congress 2007 Tokyo (IGTC'07 Tokyo) was held. This conference and exhibition brought together people from academia, industries, and government to share the latest information available on new development in the field of gas turbines, turbochargers, and their applications.



SoftinWay had a very strong presence in several contexts. In conjunction with their Japanese distributor, Kyokuto Boeki Kaisha Ltd (KBK), representatives from SoftinWay conducted numerous live demonstrations of AxSTREAM to many interested attendees.

Dr. Leonid Moroz, President of SoftinWay, was a presenter of a technical paper which described how AxSTREAM was used to lessen the weight of a low pressure turbine section of a jet engine. The paper, titled "Advanced Gas Turbine Concept, Design and Evaluation Methodology. Preliminary Design of Highly Loaded Low Pressure Gas Turbine of Aircraft Engine" can be viewed by [clicking here >>](#).

### 2008 SoftinWay Course Schedule Announced

SoftinWay will be conducting its training courses in the design, analysis and optimization of turbomachinery flow paths four times during 2008. Course locations and dates are:

Boston, MA, USA	March 18-20
Berlin, Germany	June 6-8 (in conjunction with ASME/IGTI 2008)
Boston, MA USA	October 7-9
TBD	December (TBD)

This is a hands-on course that covers both axial and radial turbomachinery. Each course is tailored to focus on the specific interests of the attendees of that particular course, including sessions for new users, special User's Group meeting for current users, and break-out sessions on specific topics such as axial turbine and compressor retrofits and performance upgrades, etc. Course tuition includes a one month license to AxSTREAM.

Price is \$600/day/ individual (commercial) and \$500/day/individual (academia). Course curriculum and registration details can be at our website, [www.softinway.com](http://www.softinway.com). For the March course in Boston, there is a significant tuition discount if registration and payment are received prior to February 1, 2008. Locations and dates are subject to change.

### Many New Features in AxSTREAM Release 2.2

Thanks to our customers we continue to improve our AxSTREAM suite by integrating their needs and requirements. AxSTREAM v.2.2.0, which has just been released, has many new features including:

- AxSTREAM workstation part is compatible with Windows Vista
- Curtis stage preliminary design option is added
- Meanline analysis of counter-rotated axial turbines is available
- Multi-flow option is added for axial turbine preliminary design
- An interactive design editing of meridionals of axial compressors added
- Three rotor/stator restagger angle variation option - fixed, proportional, by schedule were added for compressors and turbines
- leakage diagram for multistage turbines and compressor is added
- Specific profile loss/deviation models are added for NASA/C4/DCA for axial compressors
- Enhance compressors maps calculation using inherit of initial conditions
- Introduce different option to setup initial conditions "inherit" add
- Introduce setup initial velocities as a distribution X^Y
- add map's point density control coefficient for map calculation
- color and marker selection option for maps visualization added to AxMAP
- cycle-symmetric functionality added to AxSTRESS
- the structural analysis of moving blades with tip fastening (for counter-rotating axial machines) added to AxSTRESS
- added AxSTRESS option - express structural and modal analysis via embedded FEA module with automatic mesh generation.
- added AxCFD option - express 3D flow analysis via embedded FEA potential flow solver with automatic mesh generation.

AxSTREAM is a tool for you our customer, to let you perform better and faster. We are constantly seeking to make AxSTREAM more valuable for you, which depends on your feedback and suggestions. Thank YOU for making AxSTREAM better!

### New SoftinWay Website Features Increased Inter-activity

SoftinWay has rolled out a new, user-friendly and interactive website. This website includes a number of new and improved features to help users receive information, request tech support or quotations, and enhance the overall user experience.

Several of the new features and improvements include:



- Expanded download center
- Streamlined user registration process
- Increased focus on SoftinWay's Engineering Services Division (FEA and CFD simulations, turbomachinery contract design services)
- Ability to request quotes for engineering services on-line.
- Ability to submit AxSTREAM test case evaluations on-line.
- Easier access to SoftinWay's rapidly expanding international sales network.

- Simple interface User's Forum to learn the latest and newest from SoftinWay and our partners and users in industry.

The URL for the website remains the same, [www.softinway.com](http://www.softinway.com). We welcome your feedback regarding the site, including any suggestions to make it more useful to you, our valued client.

### TM Flow Path Training Courses in Ukraine and Czech Republic

A series of training courses on AxSTREAM suite were held in Europe in late 2007. Two of them were held for Russian and Ukrainian enterprises and took place in Kharkov, Ukraine. Among attendees were representatives from Leningradsky Metallichesky Zavod (LMZ), JSC Nevsky Zavod (Saint Petersburg, Russia), OJSC Aviadvigatel PMZ (Perm, Russia), Zorya-Mashproekt (Nikolaev, Ukraine), JSC Sumy Frunze NPO (Sumy, Ukraine), Yuzhnoe SDO (Dnepropetrovsk, Ukraine), ZMDB Ivchenko Progress – Motor Sich JSC (Zaporozhye, Ukraine), Turboatom (Kharkov, Ukraine).



One additional course was held in Prague, Czech Republic. Training course and included attendees from the Czech Republic, Sweden, the United Kingdom and the United States. The training courses covered radial turbo machinery as well as axial.

The basic questions considered in the course of training were: AxSTREAM suite overview, the main design approaches via AxSTREAM, attendees' practical design examples examining

etc.

Every participant learned how to design via AxSTREAM and also received 1-month AxSTREAM license.

*"The recent CATE training course in Prague was extremely useful. As an existing user of AxSTREAM it was an opportunity to question the software support team at a more advanced level. The support staff responded well to my queries and made time to respond on a 'one to one' basis through examples. The course was important to me as it provided answers in a matter of days which would normally have taken considerably longer. Many thanks to all the SoftinWay staff involved."*

*Chris Eyre, R&D Manager, Peter Brotherhood Ltd, UK*

### HOT VACANCIES

**We currently invite you to explore the vacancies that the links below are leading to:**

[Sales Engineer/Project Manager](#)

[Project Manager](#)

[CAE Software Developer](#)

You will join a strategically focused and highly motivated team involved in Scientific, Mechanical Engineering, Design Consulting and Software Development. You also will have an opportunity to work on multiple projects in a flexible, friendly environment.

### ABOUT SOFTINWAY CORPORATION

**About SoftInWay.** A USA corporation, headquartered in Burlington, MA, SoftInWay's mission is to serve the high technology community by providing software products and engineering services in the area of research, design and digital prototyping of power generation equipment. The company develops products for rapid turbomachinery design, provides technical engineering services, and uses in-house and industry standard CFD, FEA and CAD tools to address design issues at the earliest possible stage to maximize engineering productivity and increase the efficiency and reliability of equipment. The core product, AxSTREAM, is an integrated solution based on the over 400 years of collective turbomachinery experience of the SoftInWay's engineering team, with the clear goal of bringing to industry a professional software tool for rapid, optimized turbomachinery flow path design.

For more information, visit <http://www.softinway.com/> or call 781-862-7867.

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