

2010 Design Software Workshops

The **Design Software Workshop (DSW)** is an opportunity for current and prospective **Concepts NREC** software users to obtain hands-on training in the latest versions of our Agile Engineering Design System® for axial and radial turbomachines (compressors, turbines, fans). Workshops draw a diverse, active group of new and experienced turbomachinery designers who want and/or need to be current in this versatile, state-of-the-art turbomachinery design and analysis software.

2010 WORKSHOP DATES

January 25-28

March 29 - April 1

May 17-20

July 26-29

September 20-23

November 8-11

Workshop dates or locations may change or a new one may be added. Please go to www.ConceptsNREC.com for the most current information.

Why Attend a Design Software Workshop?

- Learn the fundamentals of using a state-of-the-art turbomachinery design system.
- Use meanline analysis for rapid performance prediction and map generation.
- Calculate machine choke and stall ranges.
- Use robust and efficient streamline curvature methods to rapidly determine optimum aerodynamic shapes.
- Run quasi-three-dimensional CFD techniques for rapid viscous solutions.
- Analyze complex three-dimensional flow fields with Navier-Stokes CFD calculation.
- Learn to analyze stress and vibration frequency through rapid FEA pre-processing.

WORKSHOP OUTLINE

Workshops are designed to meet requirements of both expert Design Engineers and those with limited design knowledge. To assure specific needs are met, participants are strongly encouraged to specify their areas of interest on the Registration Form so content can be customized accordingly. Participants interact directly with **Concepts NREC** Design Engineers and Development Staff, as well as the other users, to enable a complete exploration of the software's capabilities, including future planned enhancements. Reserve your space early, as attendance is limited to allow for the highest possible level of participant and staff interaction.

Each Workshop is presented over 4 days.

Each day begins at 8:30 AM and ends at 4:30 PM.

Topics are broken out by day:

Monday - Meanline Design & Analysis

Tuesday - Blade Design & Streamline Curvature

Wednesday - CFD Analysis & Stress Analysis

Thursday - Design Examples, Q & A, Discussion

WORKSHOP REGISTRATION

See Form on other side. Fees are \$400 US per day (includes all course materials, lunch, refreshments). APS (Agile Product Support) members can use their discount. Attendance is limited. Registration without payment does not reserve space.

WORKSHOP LOCATION

All Design Software Workshops are held at the **Concepts NREC** Corporate Headquarters in Wilder, VT, unless otherwise specified.

Concepts NREC

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The beautiful Concepts NREC Facility in Wilder, VT.

Hotel reservations should be made at least two weeks prior to the Workshop to ensure room availability. Please go to our website for a list of local hotels, directions and other travel information: **www.ConceptsNREC.com**.

