

第 32 回 CCFD 研究会 (The 32 Chinese CFD Seminar)

日 時 : 2008 年 6 月 28 日 (土曜日) 午後 14:00~18:0

場 所 : 慶應義塾大学矢上キャンパス創想館

DR6 14-216 (14 棟 2 階 216 Discussion Room 6)

地 図 : <http://www.keio.ac.jp/access/yagami.html> (3 番建物)

交 通 : <http://www.st.keio.ac.jp/access/>

講 師 : 李 軍 博士

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題 目 : **Aerodynamics in Turbomachinery**

要 旨 :

Turbomachinery are devices in which energy is transferred either to or from a continuously flowing fluid by the dynamic action of one or more moving blade rows. Turbomachinery are widely applied in the aviation, power plant, petroleum industries and so on. Design and manufacture of Turboamchinery belong to national heavy equipment and high technology domain. Fluid flow, heat transfer and combustion technology of Turbomachinery belong to aerodynamic in Turbomachinery. The objective of aerodynamic in Turbomachinery is to increase the transfer efficiency from Thermal energy to mechanical energy, or from mechanical energy into potential energy.

This presentation introduces the research and development of aerodynamic in Turbomachinery at TurboAero Group of Xi'an Jiaotong University from 2002. Numerical and experimental investigation of fluid flow, heat transfer and combustion phenomena in turbomachinery are to be presented associated with specified engineering application examples. In addition, a new global optimization methodology and corresponding software for turbomachinery blades design is also introduced.

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それでは、皆様よろしくお願ひ申し上げます。

雷康斌 2008年6月6日