



Fluid Mechanics – Introduction to Turbomachinery.

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Plan of the lectures:

This course of Fluid Mechanics covers the fluid flow problems connected with the flow through rotor type of machines which serves as contemporary means for energy conversion. The main accent of the present course is laid to the formulation of basic physical laws which govern the flow through different type of turbomachines. Such a dedication of fluid flow course insists a special accent on an energy conversion. In this fact Reader probably will find the difference comparing with classical Fluid Mechanics courses of general type commonly used in technical academic education.

The following main parts of the course can be defined as follows:

1. The kinematics of fluid flow with the special attention to terminology.
2. Formulation of fundamental physical laws governing the fluid with the accent on closing problems of equations set.
3. Problem of energy dissipation as fundamental one to the efficiency of energy conversion problem.
4. Presentation of processes in turbomachinery.
5. The characteristics of models applied in recent turbomachinery flow problems.

TERMINY WYKŁADÓW			
Data	Dzień tygodnia	Godzina	Sala
2013-10-08	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-10-15	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-10-22	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-10-29	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-11-05	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-11-12	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-11-19	Wtorek	15.15-17.00	139 Wydział Mechaniczny
2013-11-26	Wtorek	15.15-17.00	139 Wydział Mechaniczny