



MACHINE DESIGN PART 1 TRIBOLOGY & DYNAMICS

SHORT COURSES

NOW
AVAILABLE
FOR 2016



Advanced Integrated Engineering Solutions Ltd

COURSES AVAILABLE THROUGHOUT 2016

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FLUID LUBRICATED BEARINGS

- History & theory.
- Analytical solutions - long bearing, short bearing, short & long bearing approximations.
- Numerical solutions, rigid hydrodynamics, elasto hydrodynamics, thermo elasto hydrodynamics.
- Case studies.
- Worked examples with AIES software.

ENGINE TRIBOLOGY & FRICTION

- Valve train systems.
- Power cylinder system.
- Crank Train system.
- Turbocharger & Auxiliary systems.
- Case Studies.
- Worked examples with AIES software.

MECHANISM TRIBOLOGY & DESIGN

- Cam and followers.
- Torque Limiters.
- Crank train.
- Vehicle dynamics.
- Case studies
- Worked examples with AIES software.