

One Day Workshop on
Coupled Electromagnetic Field Analysis

ELECTROMECHANICAL SYSTEM DESIGN, ANALYSIS

(Electric + Magnetic + Thermal + Structural + Power Electronics Simulation)

ProSIM
engineering your designs

JMAG[®]

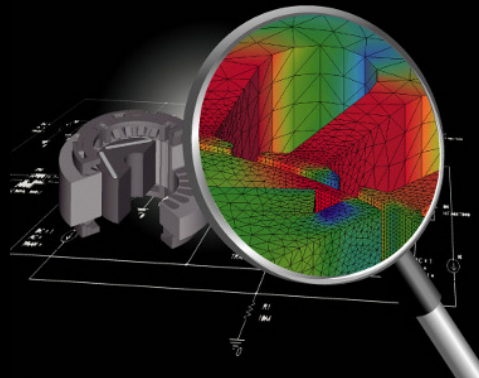
2nd August @ Delhi

3rd August @ Pune

5th August @ Bangalore

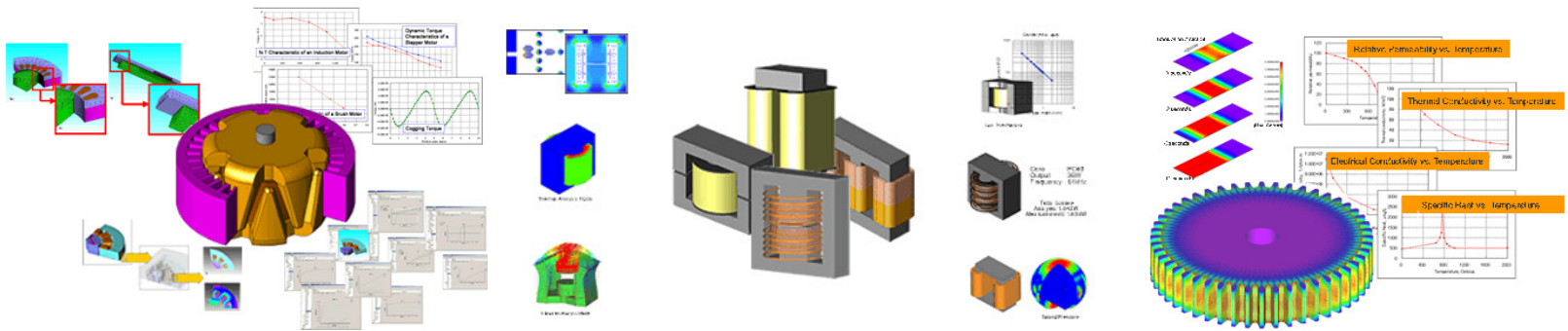
6th August 2010
Hands on Workshop
@ Bangalore

Register Today
Contact
Ms Kusuma
Ph: +91 9972304445
Email : contact@pro-sim.com






































Dr. Takashi Yamada
JSOL Corporation, Japan

Takashi Yamada, PhD, Manager of electromagnetic Engineering Department at JSOL Corporation, has been leading JMAG project since he joined the company at 1987. He started his professional career as a developer of FEM code and now he is doing product design as well as international business operation. Besides the company business, he has been working for society of IEEJ (Institution of Electrical Engineering of Japan) and served as the chair of Investigation Committee on Electromagnetic Field Analysis for Rotating Machine Design and Performance Evaluation for 2007-2009.
www.jmag-international.com



Applications Covered

	<u>IPM motor</u>		<u>SPM motor</u>		<u>SR motor</u>
	<u>Axial gap motor</u>		<u>Piezoelectric Actuator</u>		<u>RFID</u>
	<u>Basic Geometry</u>		<u>Cable</u>		<u>Coreless Motor</u>
	<u>Condenser</u>		<u>Magnetic head</u>		<u>Magnetic Shield</u>
	<u>Magnet</u>		<u>Shaft Motor</u>		<u>Synchronous Reluctance Motor</u>
	<u>Stepper motor</u>		<u>Speaker</u>		<u>Spindle Motor</u>
	<u>sensor</u>		<u>Superconductor</u>		<u>Resistance heating</u>
	<u>Electromagnetic Forming</u>		<u>Electromagnetic brake</u>		<u>Electromagnetic relay</u>
	<u>Transformer / Reactor</u>		<u>Busbar</u>		<u>Generator</u>
	<u>Heater</u>		<u>Inductive Power Supply System</u>		<u>Brush motor / Universal motor</u>
	<u>Bearing</u>		<u>Induction heating</u>		<u>Induction motor</u>
	<u>Linear solenoid / Linear actuator</u>		<u>Linear motor</u>		

Analysis Covered

Basic characteristic analysis
N-T characteristic analysis / T-I characteristic analysis

Eddy current analysis
Magnetization analysis

Thrust force analysis

Thrust force analysis

Cogging analysis

Braking torque analysis

Pull-In/Pull-Out torques analysis

Detent torque and stiffness torque analysis

Lorentz Force Analysis

Efficiency analysis

Starting performance analysis

Torque ripple analysis

Attractive force analysis

Inductance analysis

Magnetic Shielding Analysis

Magnetic Field Analysis

Speed Control Analysis

Iron loss analysis /Loss analysis

Current Distribution Analysis

Surface Magnetic Flux Density

Demagnetization analysis

Eccentricity analysis

Displacement Analysis

Response characteristic analysis

Vector control analysis

Positioning control analysis

Operating time analysis

Centrifugal force analysis

Vibration Analysis /

Sound pressure analysis

Stress Analysis

Thermal analysis

Temperature distribution analysis

Head field analysis

Output power analysis

Capacitance analysis

Registration Details

Industry—Rs 1200-00
R&D Institutions—Rs 1200-00
Faculty Members—Rs 1000-00
Students—Rs 300-00

Registration fee can be paid in the form of DD/Cash/Cheque in favour of " **ProSIM, Bangalore**" Payable at Bangalore .
For any details please contact

Santhosh N L
santhosh@pro-sim.com
+91 9972304450

Kusuma
kusuma@prosim.in
+91 80 23323020

Contact
ProSIM
#4, 1st B Main, 1st N Block
Rajaji Nagar, Bangalore—560010 India
Ph: +91 80 23323020
Fax: +91 80 23323304
Email : contact@pro-sim.com
Web: www.pro-sim.com

