



2007 “REVOLUTIONARY MACHINES” SEMINAR

November 5 – 8, 2007
Westin Diplomat
Hollywood, Florida, USA
3.2 CEUs Credit for the entire seminar

Sunday, November 4, 2007

08:00 – 17:00 Doble Registration Open

Monday, November 5, 2007

06:30 – 07:30 **Breakfast**

07:45 – 08:00 **Welcome & Course Introduction**
Richard K. Ladroga, P.E., Doble Engineering

08:00 – 08:45 **History of Rotating Electrical Machines**
James E. Timperley, P. E., Doble Engineering

08:45 – 09:45 **Theory & Principles of Electromechanical Energy Conversion**
Richard K. Ladroga, P.E., Doble Engineering

09:45 – 10:00 **Break**

10:00 – 11:00 **Maintenance Testing & Diagnostics – Large Motors**
Ian Culbert, IRIS Power Engineering

11:00 – 12:00 **Machine Design & Construction I: Prime Mover - Hydro**
Jim Edmonds, Exponent

12:00 – 13:00 **Lunch**

13:00 – 14:00 **Machine Design & Construction II:
Prime Mover - Fossil, Nuclear**
Clyde Maughan, Maughan Engineering Consultants

14:00 – 15:00 **Machine Design & Construction III**
Clyde Maughan, Maughan Engineering Consultants



- 15:00 – 15:15 **Break**
- 15:15 – 16:00 **Excitation Systems**
Rich Schaefer, Basler Electric
- 16:00 – 17:00 **Auxiliary Systems**
Ron Longwell, Generator Consultants Corp.
- 17:00 – 17:30 **Q&A Session – “Ask the Experts”**

Tuesday, November 6, 2007

- 06:30 – 08:00 **Breakfast**
- 08:00 – 08:45 **Operations & Controls**
Christopher J. Curtis, BG North America,
Ed Feloni, Consulting Engineers Gorup
- 08:45 – 09:45 **Generators & Transmission Interconnection**
Richard Jones, Tech S Corp.
- 09:45 – 10:00 **Break**
- 10:00 – 11:00 **ISO System Requirements**
Dave Bertagnolli, ISO New England
- 11:00 – 12:00 **Generator Protection**
Ed Lebenhaft, Schweitzer Engineering Laboratories
- 12:00 – 13:00 **Lunch**
- 13:00 – 14:00 **Generator Monitoring Systems**
Brad McNamara, Alstom
- 14:00 – 15:00 **Generator Accessory Maintenance**
Keith Frisbee, Energy Resources Group
- 15:00 – 15:15 **Break**



- 15:15 – 17:00** **Inspections – Stator, Rotor, Auxiliaries**
Kimberly Eiss, Generator Consulting Services, LLC
- 17:00 – 17:30** **Q&A – “Ask the Experts”**
- 17:30 – 19:00** **Reception hosted by Doble Engineered Strategies**
Refreshments will be provided

Wednesday, November 7, 2007

- 06:30 – 08:00** **Breakfast**
- 08:00 – 09:00** **Outage Maintenance Planning**
Jose M. Vallejo, Universal Star Energy Services
- 09:00 – 10:15** **Diagnostic Testing I**
Eileen Duarte, Doble Engineering
- 10:15-10:30** **Break**
- 10:30 – 12:00** **Diagnostic Testing II**
James E. Timperley, P. E., Doble Engineering
- 12:00 – 12:45** **Lunch**
- 12:45 – 13:30** **KEYNOTE ADDRESS – “INSURANCE INDUSTRY UPDATE”**
Donald Schubert, Marsh USA
- 13:30 – 14:30** **Large Motor Bus Transfer**
Tom Beckwith, Beckwith Electric Co., Inc.
- 14:30 – 14:45** **Break**
- 14:45 – 16:00** **Stator Rewinding & Specifications**
Bill Moore, National Electric Coil
- 16:00 – 17:00** **Rotor Repair and Reinsulation**
Mike Bresney, AGT
- 17:00 – 17:30** **Q&A – “Ask the Experts”**



Thursday, November 8, 2006

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| 06:30 – 08:00 | Breakfast |
| 08:00 – 09:00 | Motor Principles & Theory <i>Mark Fanslow, P.E., Teco Westinghouse</i> |
| 09:00 – 10:00 | Motor Design & Construction <i>Russell King, Teco Westinghouse</i> |
| 10:00 – 10:15 | Break |
| 10:15 – 11:00 | Failure Analysis <i>James E. Timperley, P. E., Doble Engineering</i> |
| 11:00 – 12:00 | Motor Applications & Selection <i>Michael J. Melfi and Tim Monteith, Baldor</i> |
| 12:00 – 13:00 | Lunch |
| 13:00 – 14:00 | Motor Starting and Speed Control <i>Michael J. Melfi and Tim Monteith, Baldor</i> |
| 14:00 – 15:00 | Motor Rewind & Repair <i>Don Dolence, Monarch Electric</i> |
| 15:00 – 15:15 | Break |
| 15:15 – 15:45 | Q & A “Ask the Experts” |
| 15:45 – 16:00 | Closing Remarks <i>Richard K. Ladroga, P.E., Doble Engineering</i> |