



Global Power Services
Doble's Expert Consulting Division

SEMINAR AGENDA 2009 “Revolutionary Machines”

November 9-12, 2009
Hyatt Regency
San Francisco, California, USA

Sunday, November 8, 2009

10:00 – 17:00 Doble Registration Open

Monday, November 9, 2009

06:30 – 07:45 *Breakfast*

07:45 – 08:00 **Welcome & Course Introduction**
Richard Ladroga, P.E.
General Manager
Doble Global Power Services

08:00 – 08:45 **Opening Address “Worldwide Generation Update”**
Donald Schubert
Senior Vice President
Marsh USA

08:45 – 09:45 **A Short History of Rotating Electrical Machines**
James Timperley, P.E.
Principal Engineer
Doble Global Power Services

09:45 – 10:00 *Break*

10:00 – 11:00 **Principles and Theory of Rotating Machinery**
Peter Longo
Senior Engineer
Doble Global Power Services

Monday, November 9, 2009 *continued*

11:00 – 12:00 **Large Turbo Generator Design & Construction I**
Geoff Klempner, P.Eng.
AMEC NSS Ltd.

12:00 – 13:00 *Lunch*

13:00 – 14:00 **Large Turbo Generator Design & Construction II**
Geoff Klempner, P.Eng.
AMEC NSS Ltd.

14:00 – 15:00 **Excitation Systems**
Gregory V. Anderson, P.E.
Senior Engineer
Southern California Edison

15:00 – 15:15 *Break*

15:15 – 16:15 **Measurement of Stator Endwinding Vibration**
Clyde Maughan
President
Maughan Engineering Consultants

16:15 – 16:45 **Q&A Session – “Ask the Experts”**



SEMINAR AGENDA 2009 “Revolutionary Machines” Seminar

Tuesday, November 10, 2009

06:30 – 07:45 *Breakfast*

07:45 – 08:45 Coordinating Generator Protection
Charles J. Mozina, P.E.
Consultant
Beckwith Electric

08:45 – 09:45 Upgrading Generator Protection to meet IEEE Standards
Charles J. Mozina, P.E.
Consultant
Beckwith Electric

09:45 – 10:00 *Break*

10:00 – 11:00 Power Plant Operational Risk Control
Jose Vallejo
Director
Universal Star Energy Services

11:00 – 12:00 Generation Operations I
Ron Halpern
President
Generator Consulting Services, Inc.

12:00 – 13:00 *Lunch*

13:00 – 14:00 Generation Operations II
Ron Halpern
President
Generator Consulting Services, Inc.

14:00 – 15:00 Generator Inspections I
Geoff Klempner, P.Eng.
AMEC NSS Ltd.

15:00 – 15:15 *Break*

Tuesday, November 10, 2009 *continued*

15:15 – 16:15 Generator Inspections II
Geoff Klempner, P.Eng.
AMEC NSS Ltd.

16:15 – 17:15 Bushing Box Inspection & Repair
Mike Bresney
President
AGT Services, Inc.

17:15 – 17:30 Q&A – “Ask the Experts”

17:30 – 20:00 MANUFACTURERS EXPO & RECEPTION

Wednesday, November 11, 2009

06:30 – 07:45 *Breakfast*

07:45 – 08:45 Generator Failure Analysis
Clyde Maughan
President
Maughan Engineering Consultants

08:45 – 09:45 ESA Analysis – Modern Dynamic Analysis I
Howard W Penrose, Ph.D., CMRP
Vice President, Engineering & Repair
Dreisilker Electric Motors, Inc.

09:45 – 10:00 *Break*

10:00 – 11:00 ESA Analysis – Modern Dynamic Analysis II
Howard W Penrose, Ph.D., CMRP
Vice President, Engineering & Repair
Dreisilker Electric Motors, Inc.



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2009 "Revolutionary Machines" Seminar

Wednesday, November 11, 2009 *continued*

- 11:00 – 11:30 Online PD Testing of Rotating Machines**
G. Matthew Kennedy
Product Manager
Doble Engineering Company
- 11:30 – 13:30 LUNCH & MANUFACTURERS EXPO**
- 13:30 – 14:30 EMI Diagnostic Testing**
James Timperley, P.E.
Principal Engineer
Doble Global Power Services
- Clyde Maughan
President
Maughan Engineering Consultants
- 14:30 – 15:30 Stator Rewinding**
Bill Moore, P.E.
Director of Product Line Development
National Electric Coil
- 15:30 – 15:45 Break*
- 15:45 – 16:45 Rotor Rewind & Repair**
Mike Bresney
President
AGT Services, Inc.
- 16:45 – 17:15 Q&A – "Ask the Experts"**

Thursday, November 12, 2009

- 06:30 – 07:45 Breakfast*
- 07:45 – 08:45 Motor Principles & Theory**
James Casey
Manager Application Engineering
Converteam Electric Machinery

Thursday, November 12, 2009 *continued*

- 08:45 – 09:45 Motor Design & Construction**
James Casey
Manager Application Engineering
Converteam Electric Machinery
- 09:45 – 10:00 Break*
- 10:00 – 11:00 Motor Applications and Selection, Standards and Specifications**
James Casey
Manager Application Engineering
Converteam Electric Machinery
- 11:00 – 12:00 Reliability Awareness I**
Howard W. Penrose, Ph.D., CMRP
Vice President, Engineering & Repair
Dreisilker Electric Motors, Inc.
- 12:00 – 13:00 Lunch*
- 13:00 – 14:00 Reliability Awareness II**
Howard W Penrose, Ph.D., CMRP
Vice President, Engineering & Repair
Dreisilker Electric Motors, Inc.
- 14:00 – 15:00 Motor Starting & Speed Control**
Dan Stelzner
Industry Business Manager
PetroChem
Baldor Electric Company
- 15:00 – 15:15 Break*
- 15:15 – 16:15 Rewind & Repair of Motors and Generators**
Don Dolence
Vice President of Technology & Production
Monarch Electric Company
- 16:15 – 16:45 Q&A – "Ask the Experts"**
Closing Remarks

