

## Comprehensive 5-Day Training Program for Energy Managers

### Preparatory Training and Examination for Certified Energy Manager

Date: January 24-28, 2016 / Venue: Intercontinental Hotel, Al Hamra Corniche, Jeddah

#### Training Outline & Format

This 5-day seminar (training and examination) provides a comprehensive learning and problem-solving forum to gain a broader understanding of the latest energy cost reduction techniques and strategies. Trainees will gain the knowledge and confidence to effectively apply state-of-the-art principles of energy management, in order to achieve control over energy costs in organizations — whether managing a single facility or developing an energy management program for multiple corporate entities, government buildings, etc.

- Classroom style delivered in English (January 24-28, 2016 for four and a half days)
- CEM Examination (January 28, 2016 for half a day) – receive CEM® Certificate upon passing an examination

#### Registration & Fees

- Application: download from [www.seec.gov.sa](http://www.seec.gov.sa), complete, and email to: [training@seec.gov.sa](mailto:training@seec.gov.sa)
- Registration: Mr. Muslat Al-Anazi, email: [training@seec.gov.sa](mailto:training@seec.gov.sa), Mobile: +966 55 888 5417
- Cost: SR 12,000 (\$3,200) per attendee

#### Payment methods:

- Deposit to SEEC Account IBAN No. SA2015000999100002080008, Al-Belad Bank
- Certified check made payable to SEEC

#### Certification Eligibility

**Each candidate must also pass the four-hour written exam and meet at-least one of the following criteria:**

- A four-year degree in engineering or architecture from an accredited university or college or be a registered professional engineer (P.E.), or architect (R.A.). Additionally, the applicant must have at least 3 years experience in energy engineering or energy management.
- A four-year degree in technology, environmental science, physics, or earth science and have at least 4 years experience in energy engineering or energy management.
- A four-year degree in business and at least 5 years experience in energy engineering or energy management.
- A two-year energy management associate degree and at least 6 years experience in energy engineering or energy management.
- A two-year technical associate degree, and at least 8 years of experience in energy engineering or energy management.
- No degree and at least 10 years of experience in energy engineering or energy management.

## Comprehensive 5-Day Training Program for Energy Managers



### Course Outline



#### More information on CEM<sup>®</sup> is available at:

<http://www.aeecenter.org/i4a/pages/index.cfm?pageid=3351>

SI CEM<sup>®</sup> Study Guide: <http://www.aeecenter.org/i4a/pages/index.cfm?pageID=4071>

- **Section I** – Mandatory: Energy Accounting & Economics
- **Section II** – Mandatory: Energy Audits & Instrumentation

### Candidates should choose 9 of the remaining 13 sections for the exam

- Electrical Systems
- Industrial Systems
- Building Envelope
- Thermal Energy Storage Systems
- Boiler & Steam Systems
- HVAC Systems
- Maintenance
- Motors & Drives
- Combined Heat & Power Systems
- Building Automation Systems
- Lighting Systems Maintenance
- Control Systems
- Commissioning, Measurement & Verification

### Course Instructors



#### Timothy Janos, C.E.M.

Tim Janos, Principal of Spectrum Energy Concepts, Inc., is involved in a wide variety of energy-related projects. Virtually his entire 36-year professional career has been dedicated to energy efficiency and energy savings. His extensive background features hundreds of successful energy audits that have identified cost savings projects for major clients including automotive, industrial, educational and commercial facilities.



#### Eric Woodroof, Ph.D., C.E.M.

Dr. Woodroof is widely recognized both nationally and internationally for helping energy and environmental projects get approved and implemented, having helped over 400 organizations and governments improve profits with energy- environmental solutions. He brings to this program over 20 years experience in energy management, consulting and training.