



# COOLING TECHNOLOGY INSTITUTE

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## PRESS RELEASE

**FOR IMMEDIATE RELEASE**

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### For Inclusion in Your Meeting Calendar

Houston, Texas, November 16, 2010 ..... The Cooling Technology Institute (CTI) Annual Conference will be held February 6-10, 2011, at The Westin Riverwalk, San Antonio, Texas.

The Annual Conference will begin on Monday, February 7, with 28 Technical Presentations. The Educational Seminar will be discussing: 1) FRP Fire Retardant Properties and Standards for Cooling Tower Industry, Bhyrav Mutnuri, Bedford Reinforced Plastics Inc.; 2) NFPA 214 Standard on Water-Cooling Towers, Larry Edwards, F.E. Moran Special Hazard Systems; and 3) Fire Wall Systems, Mike Bickerstaff, Composite Cooling Solutions, LLP.

This year at the Owner/Operator (O/O) session, Tuesday, February 8, the discussion will be on issues that people are seeing with their towers. Some of the topics discussed will be Safe access to cooling tower gearboxes; switching from one speed fans to VFD driven fans; options of doing away with gearboxes and shafts by going to direct drive fans; rebuilding cooling towers and switching from a wood to a fiberglass tower; do's and don'ts on cooling tower rebuilds and the building of new towers; lessons learned from tower projects; building or making repairs that are even better than the CTI standards (when money is no object); different types of cooling tower products for fill, eliminators, and nozzles; fire headers and lightning protection and Water treatment and sludge issues.

Technical presentations will cover the following: Effect of Air Flow on Size and Weight of Direct Drive Permanent Magnet Motors; The 3 R's of Sustainable Water Cooled Systems Operation; The Cost of Noise II; An Improved Method for Calculating Calcium Carbonate Deposition on Heat Transfer Surfaces; Structural Integrity of Hyperbolic Cooling Towers in Seismic Zones During Concrete Veil Repair; Optimizing Treatment Cost Performance; Effect of Relative Humidity on NTU Engineering Cooling Towers; Efficacy of Non-Chemical Devices in Controlling Legionella: Results from a Model Cooling System; Seismic Qualification Fact or Fiction; NCD's and Biological Control in Cooling Water Systems; New Methods for Drift Eliminators Performance Evaluation; The Progression of Automation and Process Control for the Management of Open Cooling Water Systems; Maisotendo-Cycle Enhanced Cooling Towers; Practical Evaluation of Treatment Chemicals for Scale Inhibition in Open Evaporative Sea Water Cooling; Breakthrough Cooling Tower Shell for FGD Discharge Piping; New Biocide Options for Biofouling Control; Natural Draft Hyperbolic Cooling Towers Concrete Rehabilitation and Cathodic Protection; Assessment of Existing Galvanic Corrosion Protection Systems; AEP's Experience with Polyester FRP Structure Cooling Towers; Traveling Water Screen Options Innovations in the Industry; Improving the Thermal Performance of Cooling Towers by Conditioning of Air; Assessment of Physico-Chemical and Microbiological Quality of Drinking Water from Disinfected Water Sources; Retrofit of Cooling Fans in Hybrid Cooling Tower with Energy Savings, Airflow and Vibration Improvement; Potable Water Reduction Strategies; Cooling Tower Plume; Fill Design in Relation with Fouling and Scaling Resistance; Hyperbolic Repack on the Run; and Electric Motors 101: What You Need to Know.

CTI Technical Committees (Engineering Standards and Maintenance, Performance & Technology and Water Treating) will meet to review and update CTI Standards. New Standards will be written or initiated, as well. Other committees will meet to discuss future educational programs, international expansion, end user benefits, and membership. The CTI Board of Directors will meet to chart future CTI activities.

The CTI Annual Conference is open to CTI Members as well as Non-Members.

For details contact the CTI office in Houston, Texas, 281.583.4087

**Visit CTI's World Wide Web Site at <http://www.cti.org>**