

COOLING TECHNOLOGY INSTITUTE

Bibliography of Technical Papers

Categorized for Technical Content
(May be subject to multiple interest)



Cooling Technology Institute

Bibliography of Technical Papers

The following papers have been presented at conferences of the Cooling Tower Institute and are listed by categories. Efforts are being made to simplify our filing system. The new order number is in the first column with the old order number in parenthesis after the title. This will help in cross referencing numbers. Reproduced copies of these papers are available from the CTI office, PO Box 681807, Houston, TX 77268. Please order by the new order number. Papers are priced at \$10/each, plus processing fee. Prepayment is requested on all orders \$25 or less. Due to the total number of papers in CTI's possession any paper written before 1990 (with exceptions) is considered "Historical" and not listed in this printed document. A complete listing can be found on our website – www.cti.org.

ANALYSIS METHOD

TP15-05 Managing Machinery Assets Using Predictive Maintenance – A Manager's Overview	2015
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TP10-19 A Systematic Approach to Performing, Documenting and Reporting Inspections of Field Erected Cooling Towers	2010
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TP10-14 Automated Feed of Patented Aseptrol CW Oxidizing Biocide Provides "Best Practice" in Delivery of Chlorine Dioxide to Small-Scale Systems	2010
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TP10-05 Complex Structural Analysis Simplifies Repair Phasing in Restoration of Hyperbolic Cooling Towers	2010
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TP10-01 Your Cooling Tower Project On Time, On Budget	2010
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TP12-06	Forward Osmosis Applied to Evaporative Cooling Make-up Water	2012
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TP15-22	Controlled Hydrodynamic Cavitation for Cooling Tower Water Treatment	2015
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TP15-10	A Progress Report of a Field Evaluation of a Cooling Tower System and the Effectiveness Of an Electrodynamical Pulse Field Water Treatment	2015
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TP14-25	Noise Control of Water Cooling Towers in Rome's Hospital Area	2014
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TP14-22	pH Impact on Inhibitor Performance	2014
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TP14-14	Development and application of Phosphorus Free Cooling Water Technology	2014
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TP14-08	Comparison of Chlorination Monitoring Methods in Cooling Water Systems	2014
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TP12-02	A Synergistic Combination of Advanced Separation and Chemical Scale Inhibitor Technologies For Efficient Use of Impaired Water in Cooling Water <i>Jasbir S. Gill, Ph.D., Nalco Company; Yupo J. Lin, Ph.D, Argonne National Laboratory</i>	2012
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CORROSION

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TP14-07	Restoration of Concrete Cooling Towers Damaged by Reinforcing Steel Corrosion	2014
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TP12-13	Drift Measurement Using Conductivity Methodology: Advantage and Limitation	2012
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DRY COOLING

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TP16-25	Wind Effects on Air-Cooled Condensers: Insights from the Wind-Tunnel.....	2016
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TP10-16	Water/Energy Nexus, Comparing the Relative Value of Water Versus Energy Resources	2010
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TP16-09	Hope Creek Circulating 144-inch Water Pipeline Carbon Fiber Upgrade.....	2016
	<i>Anna Pridmore, Ph.D., Structural Technologies, LLC</i>	
TP15-11	Empirical Methods for Inspecting, Analyzing and Converting Large Field Erected Wood	2015
	Cooling Towers to Fiberglass Structure <i>Philip Poll, OBR Cooling Towers; Al Feltzin, Linde Gases</i>	
TP15-09	Cooling Tower Support Framing Systems: Distress and Repair	2015
	<i>Narendra Gosain and Ray Drexler, Walter P Moore And Associates, Inc.</i>	
TP14-27	AEP's Experience with Failure Modes in FRP Cooling Towers.....	2014
	<i>Bob Cashner, American Electric Power; Hota Gangarao, West Virginia University</i>	
TP13-21	Expedited Field Erected Cooling Tower Replacement/upgrade with Limited Site Access	2013
	And Available Tow <i>Al Feltzin, Linde Gas; Philip Poll, OBR Cooling Towers, Inc and Casey Yurkovitch, GEA Heat Exchangers</i>	
TP13-09	How Stripping Biofilm From the Cooling Water Loop Impacts Power Plant Production Output.....	2013
	<i>Cem Candir and Tom Muilenberg, MIOX Corporation</i>	
TP12-27	Understanding Mast Climber Systems	2012
	<i>Kevin O'Shea, Mastclimbers, LLC</i>	
TP12-15	Structural Integrity of Hyperbolic Cooling Tower With Imperfections in Geometry and.....	2012
	Verticality <i>Narendra Gosain, Prasad Samarajiva, Farouk Mahama, Walter P Moore and Associates, Inc.</i>	
TP12-03	Replacement of the Concrete Cooling Tower by Steel Structure Cooling Tower During.....	2012
	The Operation <i>Martin Kubicek, FANS, A.s.; Mohan Krishna Myneni, FANS Asia Pvt Ltd</i>	
TP11-27	Hyperbolic Repack on the Run.....	2011
	<i>James Cuchens and Chris Lazenby, Southern Company Services, Inc and James L. Baker, Composite Cooling Solutions, LLP</i>	
TP11-17	Natural Draft Hyperbolic Cooling Towers Concrete Rehabilitation & Cathodic Protection.....	2011
	<i>Nick Nowell and Bill Blennerhassett, Structural Preservation Systems</i>	
TP11-05	Structural Integrity of Hyperbolic Cooling Towers in Seismic Zones During Concrete Veil Repair.....	2011
	<i>Narendra Gosain and Farouk Mahama, Walter P Moore And Associates, Inc.</i>	

TP10-26	Cooling Tower Basin Leakage Assessment & Mitigation	2010
	<i>Thomas R. Kline, Structural Group, Inc.</i>	
TP10-23	Structural Condition Assessment of Cooling Towers.....	2010
	<i>Kevin Michols and Leandro Etcheverry, Wiss, Janney, Elstner Associates, Inc.</i>	
TP10-11	A New Control Scheme Provides the Most Cooling for Your Money	2010
	<i>Robbie McElveen, Baldor Electric Company; Michael Daley, Hudson Products Corporation</i>	
TP10-02	Silica Scale Inhibition – A Kinetic Study.....	2010
	<i>Heinz Plaumann, Keith Hirsch and Joseph Lipari, BASF Corporation</i>	
TP09-02	Common Industrial Cooling Tower Errors and Omissions	2009
	<i>James L. Willa, Willa, Inc.</i>	
TP08-22	Construction Productivity Guidelines for Field Erected Cooling Towers	2008
	<i>James Baker, Composite Cooling Solutions, LP</i>	
TP07-24	Living in a Material World.....	2007
	<i>Frank Morrison, Baltimore Aircoil Company</i>	
TP07-18	Rehabilitation of Hyperbolic Cooling Towers at Electric Generating Station.....	2007
	<i>Kevin A. Michols, CTLGroup</i>	
TP07-16	Etiwanda Cooling Towers, Repair or Replace.....	2007
	<i>Robert Fulkerson, Fulkerson & Associates, Inc.</i>	
TP06-22	Wind Load Rated Packaged Cooling Towers.....	2006
	<i>Daniel S. Kelly, Evapco, Inc</i>	
TP06-17	Westar Energy Cooling Tower Rebuilds	2006
	<i>David Spacek, Westar Energy, Inc.</i>	
TP06-03	Large Scale Mechanical Equipment Simple Steps for Success	2006
	<i>David M. Suptic, David M. Suptic, P.E. LLC</i>	
TP05-11	Complete Structural Rebuild of Two Six Cell Crossflow Cooling Towers Using All FRP Members ...	2005
	<i>Deano Sarantakos, Kentucky Utilities</i>	
TP04-08	Update on the Impact of Water Immersion for Pultruded FRP	2004
	<i>Clinton B. Smith, Strongwell</i>	
TP03-13	Correcting Sedimentation Problems at American Electric Power's Conesville Plant River Intake	2003
	<i>Frank Michell, Pedro Amaya, and C. Dannemiller, American Electric Power; Dr. Robert Ettema and M. Muste, University of Iowa</i>	
TP03-07	Crossflow to Counterflow Natural Draft Tower Conversion.....	2003
	<i>Dr. John Arntson, Jamie Bland and Mike Bickerstaff, Ceramic Cooling Tower Corporation; Merwin Jones, Mirant Mid-Atlantic LLC</i>	
TP02-11	Collapse of Tuttle #2 Cooling Tower and Resulting Replacement Repair Program	2002
	<i>Stephen Tips, City Public Service</i>	
TP02-10	Avoiding Cooling Tower Catastrophe.....	2002
	<i>James L. Willa, Willa, Inc.</i>	
TP02-08	Suitability of Preservative-Treated Radiata Pine for Cooling Tower Construction.....	2002
	<i>R.N. Wakeling, D.R. Page, M.J. Collins and Ronnie Heasman, Cooling Tower Fabrications</i>	
TP02-05	Concrete Basics, Materials, Selection in Design and Repair	2002
	<i>Thomas G. Toth, Psychrometric Systems, Inc.</i>	
TP00-16	Safe Construction of Field Erected Cooling Towers	2000
	<i>Mike Bickerstaff, Ceramic Cooling Tower Corporation</i>	
TP00-15	Collapse of the Conesville 4B Seven Cell Mechanical Draft Cooling Tower	2000
	<i>Frank L. Michell, Walt Demjanenko and Joe Tseng, American Electric Power</i>	
TP99-10	The Retrofit of a Big Cooling Tower at an Oil Refinery in Vienna in Combination with a Significant 1999 Noise Reduction, <i>Henk van der Spek, Ventilatoren Sirocco Howden</i>	
TP99-08	Improved Ower Plant Performance With Evaporative Steam Condensing	1999
	<i>Dave Hutton, Baltimore Aircoil Company</i>	
TP99-04	Evaluation of Design Loads for FRP Composite Columns	1999
	<i>Dr. Robert L. Yuan, University of Texas</i>	
TP98-11	Advances in Oil Mist Lubrication for Cooling Towers	1998
	<i>Fred Paben, Lubrication Systems Company</i>	
TP97-13	PGDP Enhances Plant RCW Reliability.....	1997
	<i>Michael Talley, Teresa Gross and John Elrod, Lockheed Martin Utility Services</i>	

TP97-01	Design Considerations for a Fiberglass, Field Erected, Closed-Circuit Cooling Tower.....	1997
	<i>Christopher W. Carlson, P.E., Baltimore Aircoil Company</i>	
TP96-13	Cross to Counter Flow Repack on Induced Draft Operating Cooling Tower	1996
	<i>Michel Monjoie, Hamon Thermal Engineers & Contractors; Gary Mirsky, Hamon Cooling Towers</i>	
TP92-05	Design Methodology and Recommended Maintenance for FRP Composite Structured	1992
	Cooling Towers <i>Jess Seawell and Toby Daley, Ceramic Cooling Tower Company</i>	
TP91-15	Refurbishing America's First Hyperbolic Cooling Tower	1991
	<i>Brian W. Deuwall, The Marley Cooling Tower Company; Frank L. Michel and Dan H. Drew, American Electric Power Service Corp.</i>	
TP91-06	On-Line Rebuild of Cooling Tower Serving a 500 MW Power Station.....	1991
	<i>Roger R. Burger, Grand River Dam Authority; H. Peter Fay, GEA Power Cooling Systems, Inc.</i>	
TP90-04	Removal of Asbestos Paper Fill From Large Industrial Cooling Towers.....	1990
	<i>E.D. Mittendorf, Cascade Dept. Operations Division</i>	
TP89-09	Modification of the Induce Draft Cooling Tower at Cross Generating Station - Cross, South Carolina	1989
	<i>R.W. Lemay and Vino Verma, Santee Cooper</i>	
TP89-03	Crossflow to Counterflow Cooling Tower Conversion	1989
	<i>Allen E. Feltzin, Airco Industrial Gases</i>	

SIDESTREAM SOFTENING

TP09-17	Filtration Solutions for Cooling Tower Systems	2009
	<i>Randy Serwan, Rain for Rent</i>	
TP06-04	Filtration For Multi-Story Office Buildings HVAC	2006
	<i>Dr. Marcus N. Allhands, Amid Filtration Systems; Victoria Allies, TNT Technology Company</i>	
TP05-14	It's Time to Rethink Cooling Tower Filtration	2005
	<i>Dr. Marcus N. Allhands, Amid Filtration Systems</i>	
TP04-02	Cooling Tower Side Stream Filtration 101.....	2004
	<i>Clarence Melancon, Water Filtration Technologies, Inc.</i>	

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TP16-19	Methodology to Validate Sound Levels of Factory Assembled Towers	2016
	<i>John Dalton and Larry Burdick, SPX Cooling Technologies</i>	
TP16-11	Using ATC-128 for Sound Testing and Verification in the Field.....	2016
	<i>Erik Miller-Klein, SSA Acoustics, LLP</i>	
TP14-15	Review and Comments in the CTI Publication PTG-143: Technical Issues and Challenges	2014
	Encountered During On-Site Testing <i>Kevin Boudreaux and Aaron Haines, Nalco Company</i>	
TP11-03	The Cost of Noise II	2011
	<i>Robert Giammaruti, Hudson Products Corporation</i>	
TP07-12	Sound Measurement from Field Erected Cooling Towers.....	2007
	<i>Kenneth Hennon and David Wheeler, CleanAir Engineering, Inc.</i>	
TP05-08	Application of Low Noise Technology for Evaporative Equipment	2005
	<i>Trevor Hegg, Evapco, Inc.; Paul Nelissen, Howden Cooling Fans</i>	
TP95-01	Cooling Tower Noise.....	1995
	<i>Gary R. Mirsky, Hamon Cooling Towers</i>	
TP93-03	Reduction of Noise Generation by Cooling Fans	1993
	<i>Ir. Henk F. van der Spek, Ventilatoren Sirocco Howden B.V.</i>	

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TP09-22	Florida Building Code Structural Requirements for Evaporative Cooling Equipment.....	2009
	<i>Greg Henschel and Mark Speckin, SPX Cooling Technologies, Inc.</i>	
TP09-04	Inspection of Pultruded Cooling Tower Components.....	2009
	<i>Dustin Troutman, Creative Pultrusions, Inc.; Jess Seawell, Composite Cooling Systems, LP</i>	

TP88-04	How To Make CTI Standards Work For You	1988
	<i>James L. Willa, Willa, Inc.</i>	

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TP15-23	Wet Bulb Measurement With Psychrometers and Hygrometers Field Test Comparison	2015
	<i>Marion Floret, Electricite De France (EDF) DTG; Jared Medlen, McHale & Associates, Inc.</i>	
TP09-20	Affecting Test Uncertainty	2009
	<i>Benjamin Goddard and Eugene Culver, McHale & Associates</i>	
TP09-12	A Reynolds Number Correction for Pitot Measurements	2009
	<i>Dudley Benton, McHale & Associates</i>	
TP08-20	Seismic Qualification of Cooling Towers by Shake-Table Testing.....	2008
	<i>Panos G. Papavizas, Baltimore Aircoil Company</i>	
TP04-14	Selected Diagnostics to complement a Cooling Tower Performance Test or Status Test	2004
	<i>Charles W.H. Foster, Diagnostic Cooling Solutions Inc.</i>	
TP00-07	Demonstrating the Effectiveness of Field Testing Evaporative Vapor Condensers	2000
	<i>Glenn D. Comisac, Baltimore Aircoil Company</i>	

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TP16-05	Safety in Cooling Tower Maintenance	2016
	<i>Magose Abraham Eju, Energy Business Total Solutions, Ltd</i>	
TP15-19	Simulation of Air Flow Distribution and Performance of Cooling Towers.....	2015
	<i>Partha Nag, AGM (Cenpep), NTPC Ltd</i>	
TP14-13	Preventive Maintenance for Cooling Towers Utilizing Gamma Scanning Technology.....	2014
	<i>Paul Chila, Quantum Technical Services, LLC</i>	
TP13-25	Mathematical and Experimental Modeling of a Rain Zone	2013
	<i>Lukas Dvorak and Pavol Vitkovic, Czech Technical University in Prague</i>	
TP13-19	Experimental Methods for Cooling Tower Research	2013
	<i>Jan Cizek and Michal Stepnicka, Czech Technical University in Prague</i>	
TP13-13	Research on Reducing Recirculation Influence of Warm, Saturated Air Discharged from.....	2013
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TP13-11	Impact of Cooling Water Temperature on Plant Performance.....	2013
	<i>Magose Abraham Eju, Nigeria Liquefied Natural Gas (NLNG)</i>	
TP13-04	Good Practices in Cooling Towers: Comparison Between Industrial Audits.....	2013
	<i>Salvador Avila Filho and Zara Marques Rodrigues De Jesus, Universidade Federal Da Bahia</i>	
TP12-05	Cooling Tower Modeling Approach.....	2012
	<i>Magose Abraham Eju, Nigeria Lng Ltd</i>	
TP11-21	Improving the Thermal Performance of Cooling Towers by Conditioning of Air	2011
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TP11-13	Maisotendo-Cycle Enhanced Cooling Towers.....	2011
	<i>Lee Gillan, Idalex; Paul Glanvill and Dr. Aleksandr Kozlov, Gas Technology Institute</i>	
TP09-06	A Continuous Monitoring System for Predictive Maintenance and Global Service On-Line	2009
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	<i>Toby Daley, Composite Cooling Solutions, L.P.</i>	
TP08-04	Crossflow Cooling Tower Performance Calculations	2008
	<i>Robert Fulkerson, Fulkerson & Associates</i>	
TP07-10	Seismic Rated Factory Assembled Evaporative Cooling Equipment	2007
	<i>Scott Nevins, Evapco, Inc.</i>	
TP06-15	Guidelines for Successful cooling Tower Installations for Campus District Energy Systems	2006
	<i>Frank T. Morrison, Baltimore Aircoil Company</i>	
TP06-05	Responding to a Cooling Tower Emergency	2006
	<i>Billy Childers, Aggreko LLC</i>	
TP06-01	Cooling Towers Work as a System	2006
	<i>Richard DesJardins, DesJardins Consulting</i>	

TP05-23	Hybrid Closed-Circuit Cooling Tower Solves a Water Availability Problem.....	2005
	<i>David Hutton, Baltimore Aircoil Company</i>	
TP05-10	Dynamic Load Considerations in Cooling Tower Water Distribution Piping	2005
	<i>David M. Suptic, David M. Suptic P.E. LLC</i>	
TP05-02	Online Refurbishment of Four Large Natural Draft Cooling Towers.....	2005
	<i>Alex Dreyer, GEA Aircooled Systems</i>	
TP04-11	Thorough Inspections Reduce Cooling Tower Mechanical and Performance Risk	2004
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TP04-03	Supplemental Cooling	2004
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TP03-06	Innate Recirculation of Cooling Towers.....	2003
	<i>Hector L. Cruz, Bechtel Power Corporation</i>	
TP02-19	Network Analysis Helps Increase Cooling System Capacity	2002
	<i>Sushil Aggarwal, Fluor Daniel Inc.</i>	
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	<i>Robert Simmons, Amber/Booth Company</i>	
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	<i>Billy Childers, Aggreko, Inc</i>	
TP02-03	Wireless Condition Monitoring of Industrial Cooling Towers.....	2002
	<i>Lloyd D. Lee, MAARS, Inc.</i>	
TP01-04	Cooling Towers, Evaporative Condensers, and ASHRAE Guideline 12-2000	2001
	<i>David F. Geary, Baltimore Aircoil Company</i>	
TP97-09	On-Line Performance Monitoring of the 1300 MW Natural Draft Cooling Towers on American	1997
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TP96-15	Enhancing Tower Performance Using Non-Uniform Water Distribution	1996
	<i>Adriaan J. de Villiers, Peter B. Bosman, Knight Piesold Energy</i>	
TP95-17	Computerized Simulation of Closed Circuit Cooling Tower With Parallel and Counterflow Spray.....	1995
	Water-Air Flow Design <i>Branislav Korenic, Ph.D., Baltimore Aircoil Company</i>	
TP95-10	Tower Demolition Safety Techniques For The 90's	1995
	<i>Michael F. Talley and John Elrod, Martin Marietta Utility Services, Inc.</i>	
TP92-01	Using The EPRI Test Data to Verify a More Accurate Method of Predicting Cooling Tower	1992
	Performance <i>Richard J. DesJardins, DesJardins and Associates</i>	
TP91-07	Development of Cooling Tower Performance Impacts on Utility and Process Plants	1991
	<i>Ken Quigley, Ecodyne Cooling Tower Services; Karl Wilber, Research Cottrell Companies</i>	
TP91-02	A More Nearly Exact Representation of Cooling Tower Theory	1991
	<i>Allen E. Feltzin, Airco Industrial Gases/The BOC Group; Dudley Benton, Tennessee Valley Authority</i>	

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TP08-10	A Simplified Method to Evaluate Cooling Tower and Condenser Performance Using the.....	2008
	CTI ToolKit <i>Luc DeBacker and Natasha Peterson, Bechtel</i>	
TP03-02	Flow Measurement and All That Jazz	2003
	<i>Mark S. Huber and Robert Miller, Baltimore Aircoil Company</i>	
TP02-01	Analysis of Thermal Performance Test Data of Large Cooling Towers Using CTI ToolKit Software..	2002
	<i>Frank Michell, American Electric Power; Rich Aull, Brentwood Industries, Inc.</i>	
TP01-13	Circulating Water Flow Measurements - A Study.....	2001
	<i>Eugene D. Culver, Ceramic Cooling Tower Corporation</i>	
TP00-06	A New Look at Recirculation Analysis Including Measure of a 50 Cell Cooling Tower.....	2000
	<i>Michel Monjoie and Franz Bouton, Hamon Thermal Europe</i>	
TP97-05	Accuracy and Linearity of Diamond Shaped Averaging Pitot Tubes.....	1997
	<i>Susan Mahoney, Dieterich Standard</i>	
TP97-04	Characterization of Drift Rates and Drift Droplet Distribution for Mechanical Draft Cooling Towers.	1997
	<i>Jack R. Missimer and David Wheeler, Power Generation Technologies</i>	

TP94-15	Testing Procedures for Wet/Dry Plume Abatement Cooling Towers.....	1994
	<i>Michel Monjoie and Jean-Pierre Libert, Hamon Sobelco</i>	
TP92-15	Calibration Characteristics of a Simplex Pitot-Static Probe and Five Alternative Velocity Probes	1992
	<i>R.N. Partghasarathy, Robert Ettema and V.C. Patel, Iowa Institute of Hydraulic Research</i>	
TP92-11	Dye Dilution Flow Rate Measurements for Cooling Towers	1992
	<i>Jack R. Missimer, Ph.D., P.E., Environmental Systems Corporation</i>	

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TP16-17	Polyvinyl Chloride Use in Cooling Towers.....	2016
	<i>Ken Mortensen and Robert Petterson, SPX Cooling Technologies</i>	
TP14-26	CooliSS: A Modeling Tool for Scaling Prediction in Condenser Cooling Circuits with.....	2014
	Cooling Towers <i>Cyril Marconnet, EDF-Ceidre</i>	
TP14-16	Calcium Removal From Cooling Tower Water by Ion Exchange	2014
	<i>Patrick Littlejohn, PhD, Alex West and David Kratochvil, PhD, Bioteq Environmental Technologies</i>	
TP11-06	Optimizing Treatment Cost Performance	2011
	<i>Robert J. Ferguson, French Creek Software</i>	
TP10-06	Physical Water Treatment Utilized in Food Manufacturing and Distributio	2010
	<i>David McLachlan, Fluid Treatment Solutions, Inc.</i>	
TP07-05	Material Balance Chemical Control and Information Systems for Cooling	2007
	<i>Charles Kuhfeldt, Ashland Water Technologies</i>	
TP05-15	Finally, An Alternative to Azoles.....	2005
	<i>Eric Ward, Alco Chemical</i>	
TP04-15	Development of an On-Site Hypobromite Generation	2004
	<i>Timothy Keister and Pat Gill, ProChemTech International</i>	
TP02-07	New All Organic Chemistry For Treatment of Closed Cooling Systems	2002
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TP02-02	Field Experience With A New, Novel Series of High Performance, Environmentally Friendly.....	2002
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TP01-12	Water Treatment Can be Bid Successfully	2001
	<i>Thomas M. Laronge and Roland A. Leathrum, Thomas M. Laronge, Inc.</i>	
TP01-11	Removal of Copper During Start-Up of Cooling Tower	2001
	<i>Karen F. Pedraza and Dennis P. Shea, Solutia, Inc.</i>	
TP01-09	Extend the Life of Wetted Surfaces.....	2001
	<i>Mark A. Lisin, Lisin Metallurgical Services; Thomas M. Laronge, Thomas M. Laronge, Inc.</i>	
TP01-06	Mixed-Oxidant Use in Cooling Tower Maintenance.....	2001
	<i>Wesley L. Bradford, Los Alamos Technical Assoc., Inc.; Paul Petersen, Trident Technologies, Inc.</i>	
TP00-14	Recent Advances in High Alkaline Cooling Water Treatment.....	2000
	<i>John Richardson and Michael G. Trulear, ChemTreat, Inc.</i>	
TP00-04	Bugs and Bugaboos of Cooling System Components	2000
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TP97-15	The Advancing Evolution of Centrifugation	1997
	<i>William R. Leizear, Randall D. Delenikos, LAKOS Filtration Systems</i>	
TP97-11	A New Treatment for Calcium Carbonate Control in Alkaline Conditions.....	1997
	<i>Jasbir S. Gill, Jennifer R. Parson and Robert C. Gordon, Calgon Corporation</i>	
TP97-08	Twenty Minutes with Molybdate.....	1997
	<i>M.H.L. Garnaud, Climax Molybdenum UK, Ltd; Thomas J. Risdon, Climax Molybdenum Marketing Corporation</i>	
TP95-09	Highly Effective New Polymer For Calcium Phosphate Control in Cooling Water Systems	1995
	<i>Anne B. Austin and Michael L. Standish, Alco Chemical</i>	
TP95-04	Fractures in Cooling Water System Components	1995
	<i>Thomas M. Laronge & Mark A. Lisin, Thomas M. Laronge, Inc.</i>	

TP93-11	Silica Stabilization in Industrial Cooling Towers: Recent Experiences and Advances	1993
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TP93-10	A New On-Line Monitoring and Control Capability for Cooling Water Programs	1993
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TP93-02	Control of Microbiological Contaminants in Small Cooling Systems.....	1993
	<i>Daniel H. Pope, Ph.D., Bioindustrial Technologies, Inc.; William T. Osborne, Baltimore Aircoil Company</i>	
TP92-14	Evaluation of Alternatives to Gaseous Chlorine for Cooling Water	1992
	<i>Marcus Vaska & Winston Go, Microbiological Control Drew Industrial Division</i>	
TP92-08	Automated Oxidant Control	1992
	<i>Phil Kiser, Stranco, Inc.</i>	
TP92-03	Practical Considerations in High Cycle Cooling Water Operations	1992
	<i>Arthur J. Freedman and Thomas M. Laronge, Thomas M. Laronge, Inc.; Chester M. Malewski and Craig W. Williams, Sierra Pacific Power Company</i>	
TP91-08	Precise Prediction of Cooling Water pH.....	1991
	<i>Craig W. Ballard and Jack V. Matson, Ph.D., P.E., University of Houston</i>	
TP91-04	Fail-Safe Cooling Water Operations.....	1991
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TP90-10	Problems and Pitfalls in Water Treatment Specifications	1990
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TP90-01	Practical Applications of Tracers - Beyond Product Monitoring.....	1990
	<i>John E. Hoots, Nalco Chemical Company</i>	

TREATMENT EVALUATION

TP16-16	The Evolution and Practical Application of Scale Inhibitor Modelling and Dosage Optimization	2016
	<i>In Industrial Water Treatment</i> <i>Robert J. Ferguson, French Creek software, Inc</i>	
TP16-14	Controlled Hydrodynamic Cavitation: A Physical Water Softening and Disinfection Method	2016
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TP15-20	Alternative to Bromine Improves Cooling Water Microbial Control and Overall Treatment	2015
	<i>Andrew Boal, PhD, MIOX Corporation</i>	
TP15-04	The Impact of Ionic Strength Upon Inhibitor Speciation and Efficacy	2015
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TP13-22	Application of Controlled Release Chemistry to Cooling Towers.....	2013
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TP13-18	Film Formation, Stability and Corrosion Inhibition of Surface Deposited Film Inhibitors	2013
	<i>Jon J. Cohen and Sean Parmelee, H-O-H Water Technology</i>	
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TP13-06	Novel Biocide Delivery for Improved Control of Biofilm Organisms	2013
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TP11-14	Practical Evaluation of Treatment Chemicals for Scale Inhibition in Open Evaporative.....	2011
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TP11-10	AWT's ASHRAE Liaison Report: NCDs and Biological Control in Cooling Water Systems	2011
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TP07-09	Twenty-Years of Cooling Water Treatment Experience in Manhattan <i>Marcus N. Allhands and Carmine Puglisi, Orival, Inc.</i>	2007
TP03-21	Condenser Water Treatment Using Pulsed-Power <i>John Lane, Clearwater Systems and David Peck, Eichleay Engineers & Constructors</i>	2003
TP03-16	Multipurpose Water Treatment In Cooling Towers <i>Sukjun Kang and Jasper Lee, EEKO Bio Corporation; Jeyong Yoon and Min Cho, Seoul National University</i>	2003
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