TURBINE INLET COOLING ASSOCIATION

Bibliography of Turbine Inlet Cooling (TIC) Publications

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Key to TIC Publication Content

Applications and/or Case Studies	A
Design, Technology, and/or Performance Issues	D
Economics, Business, and/or Market Issues	E
Operations and/or Maintenance Issues	O

Year of Publ'n	Author(s) *language* (if not English)	Publication Title (Publication Reference)	Content Primary	Content Other
2019	Lovelace, C.	Capturing regsification energy to improve turbine performance (Gastech Insights, January 7, 2019)	D	E
2018	Lovelace, C.	Improving Plant Performance and Stability with Turbine Inlet Air Chilling (Gastech, Barcelona, Spain, September 2018)	D	A, E
2018	Andrepont, J.S.	Energy Storage: A Clear Need for the Power Grid - But How Best to Achieve It? (TiCA White Paper, April 2018)	E	A, D
2018	Andrepont, J.S.	Case Studies of Utility-Scale Energy Storage: a Complement to Intermittent Renewable Power (Electric Power Conference, Nashville, Tennessee, March 2018)	A	D, E
2018	Punwani, D.V.	Enhancing Capacity and Efficiency of Combustion Turbines During Hot Weather Using Turbine Inlet Cooling: An Update on All Technologies (Electric Power Conference, Nashville, Tennessee, March 2018)	D	A, E
2018	Punwani, D.V.	Turbine Inlet Cooling: Updates on All Technologies and Resources for Combustion Turbine Users (Western Turbine Users Confernce, Palm Springs, California, March 2018)	D	A, E
2017	Sims, T.	Pumped Storage for GTs (Power-Gen International, Las Vegas, Nevada, December 2017)	A	D, E
2017	Punwani, D.V.	Enhancing Capacity and Efficiency of Combustion Turbines during Hot Weather using Turbine Inlet Cooling (TIC): *Update on All Technologies* (Power-Gen International, Las Vegas, Nevada, December 2017)	D	A, E
2017	Gillespie, M. and Erickson, B.	Duke Energy Hines Chiller Uprate Project (Power Engineering magazine, December 2017)	A	D, O
2017	Lovelace, C. and Kedrowski, C.	Cool It Down (LNG Industry, November 2017)	A	D
2015	Stellar Energy	Modes & Benefits of Coil-Based Inlet Air Conditioning for Gas Turbines (Power-Gen International, Las Vegas, Nevada, December 2015)	O	D
2015	Green, S.	Achieving Optimal Economic Benefit from Air Inlet Cooling (Power Engineering magazine, August 2015)	D	
2015	Balek, S. and McDonnell, T.	The Power of Flexibility - Turbine Inlet Air Chilling Benefits from Leading Edge Control Technology (Power Engineering magazine, August 2015)	O	A, D
2015	Andrepont, J.S.	Two Birds with One Stone: NG-fueled peaking capacity for only a few hundred $/kW plus energy storage at zero extra cost (Electric Power Conference, Rosemont, Illinois, April 2015)	D	A, E
2014	Andrepont, J.S.	An Enormous Emerging Opportunity for District Cooling Developments (International District Energy Association Annual Conference, Seattle, Washington, June 2014)	E	A, D
2013	Andrepont, J.S.	Trends and Future Strategies: Multi-Hour Energy Storage (Electric Power Conference, Rosemont, Illinois, May 2013	E	A, D
2012	Dotson, S.	Technologies to Improve Gas Turbine Efficiency (Power Engineering, pp 50-52, July 2012)	D	E
2012	Punwani, D.V.	Turbine Inlet Cooling Case Study for an Industrial CHP System for Multiple Buildings in the Midwest (International District Energy Association Annual Conference, Chicago, Illinois, June 2012)	A	D, E
2012	Punwani, D.V.	Turbine Inlet Cooling: An Overview (webinar presentation sponsored by Turbine Inlet Cooling Association, June 2012)	D	E
2012	Andrepont, J.S.	Energy Storage at Near-Zero Capital Cost and Near-100% Efficiency - Thermal Energy Storage coupled with Turbine Inlet Cooling (Proceedings of Electric Power, Baltimore, Maryland, May 2012)	E	A, D
2011	Punwani, D.V. and Andrepont, J.S.	Benefits of Turbine Inlet Cooling and Thermal Energy Storage for Cogeneration/CHP Systems (Midwest Cogeneration Association Conference, Elgin, Illinois, October 2011)	D	E
2011	Punwani, D.V.	Turbine Inlet Cooling Technologies and Applications for Optimizing Cogeneration / CHP Systems (webinar presentation co-sponsored by Midwest Cogeneration Association and US DOE Midwest Clean Energy Application Center, August 2011)	D	E
2011	Punwani, D.V.	Combustion Turbine Inlet Cooling for Power Augmentation: An Overview (ASME Turbo Expo, Vancouver, British Columbia, Canada, June 2011)	D	E
2011	Andrepont, J.S. and Richter, T.	Energy Storage to Help Meet the Challenge of Integrating Renewable Resources (Proceedings of Electric Power, Rosemont, Illinois, May 2011)	E	A, D

2011	Punwani, D.V. and Andrepont, J.S.	Optimizing Clean Energy Systems with Thermal Energy Storage and/or Turbine Inlet Cooling (US Clean Heat & Power Association Spring CHP Forum, Washington, DC, May 2011)	D	E
2010	Punwani, D.V.	Hybrid Systems for Cooling Turbine Inlet Air for Preventing Capacity Loss and Energy Efficiency Reduction of Combustion Turbine Systems (ASME Power Conference, Chicago, Illinois, July 2010)	D	E
2010	Punwani, D.V.	Turbine Inlet Cooling: Increased Energy Efficiency & Reduced Carbon Footprint Aspects for District Energy Systems (International District Energy Association Annual Conference, Indianapolis, Indiana, June 2010)	D	E
2009	Punwani, D.V.	Hybrid and LNG Systems for Turbine Inlet Cooling (Competitive Power College Curriculum CPC 504, POWER-GEN International, Las Vegas, Nevada, December 2009)	D	E
2009	TICA	Turbine Inlet Cooling: An Energy Solution That's Better for the Environment, Ratepayers and Plant Owners (TICA White Paper, November 2009)	E	A, D
2009	Gailloreto, S.	Go-to-Market Strategy for Inlet Air Cooling (*Diesel & Gas Turbine Worldwide* , June 2009)	D	
2009	Schlom, L.A. and Bastianen, M.V.	Increasing Power Output of Gas Turbines Using Evaporative Technologies (*Energy-Tech* , pp 33-38, June 2009)	D	E, O
2009	Andrepont, J.S.	Supporting Renewable Power Generation with Energy Storage - supply-side and demand-side storage that is practical and economical (Proceedings of Electric Power, Rosemont, Illinois, May 2009)	E	A, D
2009	Robb, D.	Hybrids in Inlet Cooling - Innovative concepts seek to marry evaporative cooling and inlet chilling technologies (*Turbomachinery International* , Vol 5, No. 2, pp 18-20, March/April 2009)	D	E, O
2008	Liebendorfer, K.M. and Furlong, J.	Bulk Air Cooling - The Optimum Solution for Turbine Inlet Air Chilling (presented at POWER-GEN International, Orlando, Florida, December 2008)	D	A
2008	Voeller, D. and Bastianen, M.	Turbine Inlet Cooling with Indirect Evaporation: With Greater Density Comes More Power (*Energy-Tech* , pp 32-36, October 2008)	A	D
2008	Blankinship, S.	Less Moisture Can Mean More Mass - Indirect Evaporative Cooling in Small-scale Applications (*Power Engineeing* , Vol. 112, No. 8, pp 62-64, August 2008)	A	D
2008	Punwani, D.V.	Impact of Turbine Inlet Cooling Technologies on Capacity Augmentation and Decrease in Carbon Footprint for Power Production (Proceedings of Electric Power, Baltimore, Maryland, May 2008)	D	E
2008	Punwani, D.V.	Technologies and Economics of Turbine Inlet Cooling Application in Cogeneration (Midwest Cogeneration Association Conference, Countryside, Illinois, May 2008)	D	E
2008	ASHRAE TC 1.10 - Cogeneration Systems	Combustion Turbine Inlet Cooling (ASHRAE Handbook - HVAC Systems and Equipment, Chapter17, pp 17.1-17.6, 2008)	D	E
2007	Shepherd, D.W.	First Application of Power Augmentation w/ Inlet Cooling on Syngas Combustion Turbine (to be presented at POWER-GEN International, New Orleans, Louisiana, December 2007)	D	A, E, O
2007	McNeely, M.	Applying Wet Compression for Turbine Inlet Cooling (*Diesel & Gas Turbine Worldwide* , July/August 2007)	D	A, E, O
2007	Al-Ansary, H.A.	The Use of Ejector Refrigeration Systems for Turbine Inlet Air Cooling: A Thermodynamic and CFD Study (ASME ES2007-36044, Proceedings of Energy Sustainability, Long Beach, California, June 2007)	D	
2007	Liebendorfer, K.M.	Economic and Environmental Benefits of Bulk Air Cooling: A New Technology That Allows the Flexibility of Evaporative Cooling and Mechanical Chilling (ASHRAE Annual Meeting, 2007)	E	D
2007	Pasteris, R.M.	Turbine Inlet Cooling (TIC): Its Role in the Economics of Emerging Capacity Markets (Electric Power Conference, April 2007)	E	
2006	Shepherd, D.W.	Application of Fogging and Wet Compression with a Feed Back Control System (presented at POWER-GEN International, Orlando, Florida, December 2006)	D	A, E, O
2006	Kraft, J.E.	Turbine Inlet Cooling System Comparisons (*Energy-Tech* , pp 36-37, August 2006)	D	A, E
2006	Kemmerling, J.	Inspecting the turbine inlet - Foreign object damage decreases availability (*Turbomachinery International* , Vol 47, No 4, pp 26-28, July/August 2006)	O	
2006	Reitenbach, G.	Beating the Heat with Inlet Cooling (*Power* , July/August 2006)	D	A, E, O
2006	Andrepont, J.S.	Energy Storage: Not Just R&D Nor Necessarily Expensive (*Power Engineering* , Vol 110, No 5, pp 56-58, May 2006)	E	A, D
2006	Andrepont, J.S.	Maximizing Power Augmentation While Lowering Capital Cost per MW via Turbine Inlet Cooling (TIC) with Thermal Energy Storage (TES) (Proceedings of Electric Power, Atlanta, Georgia, May 2006)	E	A, D
2006	Flin, D.	Air conditioning for gas turbines - how to add a few percentage points to efficiency (*Cogeneration and On-Site Power Production* , Vol 7, No 2, pp 47-61, March-April 2006)	D	A
2006	Kalyanaraman, K.	The debate over inlet air cooling - Players argue issues, such as the impact on blades and surge margins (*Turbomachinery International* , Vol 47, No 2, pp 12-14, March/April 2006)	O	D
2006	Punwani, D.V, and Hurlbert, C.M.	To Cool or Not to Cool - Turbine inlet cooling enhances the economics of combined-cycle systems without, and even better with, duct firing (Power Engineering, Vol 110, No 2, pp 18-23, February 2006)	E	D
2005	Andrepont, J.S.	Combustion Turbine Plant Power Augmentation Using Turbine Inlet Cooling with Thermal Energy Storage (Proceedings of POWER-GEN Inetrnational, Las Vegas, Nevada, December 2005)	E	A, D

2005	Punwani, D.V. and Andrepont, J.S.	Turbine Inlet Cooling for Power Augmentation in Combined Heat and Power (CHP) Systems (Proceedings of POWER-GEN Inetrnational, Las Vegas, Nevada, December 2005)	E	A, D
2005	Shepherd, D.W. and Fraser, D.	Impact of Heat Rate, Emissions and Reliability from the Application of Wet Compression on Combustion Turbines (presented at POWER-GEN International, Las Vegas, Nevada, December 2005)	D	A, E, O
2005	Hurlbert, C.M. and Punwani, D.V.	Unearthing Hidden Treasure - When the weather's hot, there's gold in those combustion turbines, just when you need it the most (*Power Engineering* , November 2005)	E	A,
2005	Salat, J.B.	Turbine Inlet Cooling Operation & Maintenance (*Generators & Turbines* supplement to *Energy-Tech* , October 2005, pp.8-10)	O	E
2005	Punwani, D.V. and Hurlbert, C.M.	Turbine inlet cooling benefits plant owners and the environment (*Power* , Vol 149, No 7, pp 64-68, September 2005)	E	D
2005	Liebendorfer, K.M. and Andrepont, J.S.	Cooling the Hot Desert Wind: Turbine Inlet Cooling with Thermal Energy Storage Increases Net Power Plant Output by 30% (ASHRAE Transactions 2005, Vol 111, Part 2, pp 545-550)	A	D, E
2005	Jolly, S., *et al.*	Wet compression adds power, flexibility to aeroderivative GTs (*Power* , Vol 149, No 4, pp 52-57, May 2005)	D	A, E, O
2005	Hurlbert, C.M.	A Time for Change? Gas Turbine Flaw Creates Opportunity for Low Cost, Green Megawatts (*Turbomachinery International* , March/April 2005, pp 23-25)	E	D
2004	Tillman, T.C.	Comparison of Power Enhancement Options for Retrofit to Combined Cycle Power Plants - Phase 2 Report (Proceedings of POWER-GEN International, Session 11C, Orlando, Florida, December 2004)	A	D, E
2004	Hain, Y., *et al.*	Increasing Gas Turbines' Output and Efficiency by Optimization of a Fogging Air Cooling System Using CFD Analysis (Proceedings of POWER-GEN International, Session 11C, Orlando, Florida, December 2004)	D	O
2004	Jolly, S., *et al.*	Application of Wet Compression for Aeroderivative Combustion Turbines (Proceedings of POWER-GEN International, Session 11C, Orlando, Florida, December 2004)	D	A, E, O
2004	Graef, P.	Operation and Maintenance of Wetted-Media Evaporative Coolers (*Energy-Tech* , December 2004, pp 19-20)	O	E
2004	Andrepont, J.S., *et al.*	Turbine Inlet Cooling Case Studies and Buyers Guide (A Supplement to *Energy-Tech* , October 2004, pp 1-16)	A	D, E
2004	Punwani, D.V.	Hybrid Systems & LNG for Turbine Inlet Cooling (*Energy-Tech* , October 2004, pp 19-20)	D	E
2004	Hurlbert, C.M.	A Perspective on the U.S. Electric Power Industry: Problems, Solutions and Needs (*Energy-Tech,* August 2004, pp 8-11)	E	
2004	Andrepont, J.S.	Thermal Energy Storage Technologies for Turbine Inlet Cooling *(Energy-Tech* , August 2004, pp 18-19)	D	A
2004	Punwani, D.V.	Chiller Technologies for Turbine Inlet Cooling- Part 2 (*Energy-Tech,* June 2004, pp 19-21)	D	E
2004	Mercer, M.	Wet Compression Technology for Combustion Turbines (Diesel & Gas Turbine Worldwide, May 2004)	D	A, E, O
2004	Kraft, J.E.	Combustion Turbine Inlet Air Cooling - Check Your Design Point (*Power Engineering* , Vol 108, No 5, pp 40-44, May 2004)	D	A, E, O
2004	Schweiger, R.	Recent Experience Indicates Wet Compression Meets Expectations When Done Correctly (*Combined Cycle Journal* , Second Quarter 2004)	D	A, E, O
2004	Farmer, R.	On-Site and Maintenance Depot LM2500 Operation and Performance Enhancement (*Gas Turbine World* , April/May 2004)	D	A, E, O
2004	Punwani, D.V.	Chiller Technologies for Turbine Inlet Cooling (*Energy-Tech* , April 2004, pp 19-21)	D	E
2004	Dharmadhikari, S. and Andrepont, J.S.	Boost gas turbine performance by inlet air cooling (*Hydrocarbon Processing* , February 2004, pp 77-84)	D	A, E
2004	Kraft, J.E.	Cool Your Jets! Evaporative Cooling & Wet Compression Technologies (*Energy-Tech* , February 2004)	D	A, E, O
2004	Elliott, J.	Inlet Air Cooling Optimizes Plant Flexibility (*Diesel & Gas Turbine Worldwide* , January-February, 2004)	A	D
2003	Punwani, D.V.	An Introduction to Turbine Inlet Cooling (*Energy-Tech,* December 2003, pp 20-23)	D	
2003	Andrepont, J.S. and Pasteris, R.M.	Methodology and Case Studies of Enhancing the Performance and Economics of Gas Turbine Power Plants (Proceedings of POWER-GEN International, Session 9C, Las Vegas, Nevada, December 2003)	E	A, D
2003	Tillman, T. C. *et al.*	Comparisons of Power Enhancement Options for Greefield Combined Cycle Power Plants (Proceedings of POWER-GEN International, Session 13B, Las Vegas, Nevada, December 2003)	E	A, D
2003	Jolly, S. and Cloyd, S.	Performance Enhancement of GT24 with Wet Compression (presented at POWER-GEN International, Las Vegas, Nevada, December 2003)	D	A, E, O
2003	O'Hanlon, C.	Emerging Opportunities in Turbine Inlet Air Cooling (Frost & Sullivan Report, November 26, 2003)	E	
2003	Punwani, D.V., *et al.*	GT Inlet Cooling Boosts Output on Warm Days to Increase Revenues (*Combined Cycle journal, Fourth Quarter 2003, Online Version)*	D	A, E
2003	Reitenbach, G.	None the Worse for Wear - Fogging Inlet Power (*Power* , September 2003)	O	A, D, E
2003	Farmer, R.	Evap Cooling and Wet Compression Boost Steam Injected Fr6B Output (*Gas Turbine World* , Summer 2003)	D	A, E, O
2003	Liebendorfer, K.M.	Commissioning Turbine Inlat Air Chilling Systems (ASHRAE Annual Meeting, 2003)	D	O
2003	MacDonald, J.A.	Turbine Performance-Enhancement Options Boost Power Plant Output, Efficiency (*Energy-Tech,* June 2003, pp 18-27)	D	

2002	Jolly, S.	Wet Compression - A Powerful Means of Enhancing Combustion Turbine Capacity (presented at POWER-GEN International, Orlando, Florida, December 2002)	D	A, E, O
2002	Mercer, M.	One-Stop Shop for Inlet Cooling Systems (Diesel & Gas Turbine Worldwide, June 2002)	A	D, E, O
2002	Chaker, M., *et al.*	Inlet Fogging of Gas Turbine Engines: Clamatic Analysis of Gas Trurbine Evaporative Cooling Potential of International Locations (ASME Turbo Expo 2002; June 3-6, Amsterdan, The Netherlands)	D	A
2002	Bhargava, R., *et al.*	Parametric Analysis of Existing Gas Turbines with Inlet Evaporative and Overspary Fogging (ASME Turbo Expo 2002; June 3-6, Amsterdan, The Netherlands)	A	D
2002	Andrepont, J.S.	Demand-side and Supply-side Load Management: Optimizing with TES for the Restructuring Energy Marketplace (Proceedings of the 24th National Industrial Energy Technology Conference, p. 301-305, Texas A&M University)	D	A, E
2001	Andrepont, J.S.	Combustion Turbine Inlet Air Cooling (CTIAC): Benefits and Technology Options in District Energy Applications (ASHRAE Transactions, Vol. 107, Pt. 1, pp. 892-899)	D	A, E
2001	Guimaraes, E.T.	A New Approach to Turbine Inlet Air Cooling (ASHRAE Transactions, Vol. 107, Pt. 1)	A	D, E, O
2001	Punwani, D.V., *et al.*	A Hybrid System for Combustion Turbine Inlet Air Cooling at a Cogeneration Plant in Pasadena, Texas (ASHRAE Transactions, Vol. 107, Pt. 1)	A	D, E
2001	Stewart, Jr., W.E.	Condensation and Icing in Gas Turbine Systems: Inlet Air Temperature and Humidity Limits ((ASHRAE Transactions, Vol. 107, Pt. 1)	D	
2001	Andrepont, J.S.	Combustion Turbine Inlet Air Cooling (CTIAC): Benefits, Technology Options, and Applications for District Energy (Energy Engineering, Vol. 98, No. 3, pp. 52-69, Association of Energy Engineers, Atlanta, Georgia)	D	A, E
2001	Andrepont, J.S. *Portuguese*	Resfriamento de ar de entrada da turbina de combustao (CTIAC): beneficios, opcoes de technologia e applicacoes (Parte 1, Climatizacao, Ano 2, Numero 8, p. 28-36, RPA Editorial, Sao Paulo, Brazil)	D	
2001	Andrepont, J.S. *Portuguese*	Resfriamento de ar de entrada da turbina de combustao (CTIAC): beneficios, opcoes de technologia e applicacoes (Parte 2, Climatizacao, Ano 2, Numero 9, p. 34-41, RPA Editorial, Sao Paulo, Brazil)	D	E
2001	Andrepont, J.S. *Portuguese*	Resfriamento de ar de entrada da turbina de combustao (CTIAC): beneficios, opcoes de technologia e applicacoes (Parte final, Climatizacao, Ano 2, Numero 10, p. 51-57, RPA Editorial, Sao Paulo, Brazil)	A	E, D
2001	Elliott, J.	Chilled Air Takes Weather Out of Equation (*Diesel & Gas Turbine Worldwide* , October 2001)	D	A
2001	Punwani, D.V., *et al.*	Absorption Chiller Application for Power Generation: A Case Study for a 316 MW GT Cogen Plant in Pasadena, TX (Proceedings of the 2001 International Gas Research Conference, Amsterdam, The Netherlands)	A	D,E
2001	Gas Technology Institute GTI)	Absorption Chiller Application Brief: Gas Turbine Inlet Air Cooling (Gas Technology Institute, Document No. GTI-00/0140, Des Plaines, Illinois)	A	D,E
2001	Andrepont, J.S.	Combustion Turbine Inlet Cooling: Benefits and Options for District Energy (*District Energy* , Vol. 87, No. 3, International District Energy Association (IDEA), Westborough, Massachusetts)	D	A, E
2000	Andrepont, J.S.	Combustion Turbine Inlet Air Cooling (CTIAC): Benefits, Technology Options, and Applications for District Energy (Proceedings of the International District Energy Association, Vol. 91, pp. 183-196, Westborough, Massachusetts)	D	A, E
2000	Tisdale, L.B. and Hauck, R.L.	Combustion Turbine Inlet Conditioning (ASME 2000-GT-192, International Gas Turbine & Aeroengine Congress & Exhibition, Munich, Germany, May 2000)	D	E
2000	Stewart, Jr., W.E., *et al.*	Air Temperature Depression and Potential Icing at the Inlet of Stationary Combustion Turbines (ASHRAE Transactions, Vol. 106, Pt. 2, pp. 318-327)	D	O
1999	Shepherd, D.W., *et al.*	Peaking Capacity Enhancement of ABB 11N1 with Thermal Energy Storage (presented at POWER-GEN International, New Orleans, Louisiana)	D	A, E, O
1999	Stewart, Jr., W.E.	Designing for Combustion Turbine Inlet Air Cooling (ASHRAE Transactions, Vol. 105, Pt. 1)	D	E
1999	Stewart, Jr., W.E.	Design Guide: Combustion Turbine Inlet Air Cooling Systems (ASHRAE Special Publications, Atlanta, Georgia)	D	E, A, O
1999	Katipamula, S., *et al.*	User's Manual for CTCOOL: A Computer Model for Evaluating Combustion Turbiune Inlet Air Cooling (Pacific Northwest National Laboratory, Report No. PNNL-12152, Richland, Washington)	E	D
1999	Punwani, D.V., *et al.*	Emerging Growth Opportunity for Sorption Heat Pumps: Power Capacity Enahncement of Gas Turbine Systems (International Sorption Heat Pump Newsletter, Vol. 5, No. 4)	A	D,E
1999	Ryan, W.A.	Gas Turbine Inlet Cooling: Another Growth Opportunity for Industrial Absorption Systems (Cool Times, Vol. 10, No. 6, p. 3, American Gas Cooling Center, Washington, DC)	A	D,E
1998	Shepherd, D.W., *et al.*	Direct Spray System for Inlet Air Cooling W501 B5 (presented at POWER-GEN International, New Orleans, Louisiana)	D	A, E
1998	Stewart, Jr., W.E.	Turbine Inlet Air Cooling (*ASHRAE Journal* , September 1998, pp. 32-37)	D	A
1998	Shepherd, D.W., *et al.*	Evaluating Inlet Cooling Systems (presented at POWER-GEN Asia, New Delhi, India)	A	D, E, O
1998	Clark, K.M., *et al.*	The Application of Thermal Energy Storage for District Cooling and Combustion Turbine Inlet Air Cooling (Proceedings of the International District Energy Association, Vol. 89, pp. 85-97, Westborough, Massachusetts)	A	D, E
1997	Shepherd, D.W., *et al.*	Inlet Air Cooling for a Frame 7EA based Combined Cycle Power Plant (presented at POWER-GEN International)	D	A, E
1996	Brown, D.R., *et al.*	A Comparative Assessment of Alternative Combustion Turbine Inlet Air Cooling Systems (Pacific Northwest National Laboratory, Report No. PNNL-10966, Richland, Washington)	D	E

1996	Utamura, M., *et al.*	Economics of Gas Turbine Inlet Air Cooling System for Power Enhancement (Proceedings of the 1996 International Gas Turbine and Aeroengine Congress, Paper No. 96-GT-516, ASME)	E	
1996	Reindl, D.T.	Combustion Turbine Inlet Air Cooling Using Thermal Storage & Direct-Contact Sprays (Proceedings of the EPRI International Sustainable Thermal Energy Storage Conference, Minneapolis, pp 147-150, August 1996)	D	E
1996	White, C., *et al.*	Power Boost of Gas Turbines by Inlet Air Cooling (Proceedings of the 31st Intersociety Energy Conversion Eng. Conf., Vol. 2, pp. 725-729, IEEE, Piscataway, NJ)	D	
1996	Bruno, J.C., *et al.*	Absorption Chillers Integration in a Combined Heat and Power Plant (Proceedings of the International Absorption Heat Pump Conference, pp. 759-767, CANMET, Ottawa, ON, Canada)	D	E
1995	Mohanty, B., *et al.*	Enhancing Gas Turbine Performance by Intake Air Cooling Using an Absorption Chiller (Heat Recovery Systems and CHP Journal, Vol. 15, No. 1, pp. 41-50, United Kingdom)	D	E
1995	Ebeling, J.A., *et al.*	Fayetteville TIP2 Capacity Performance Test Results (Proceedings of the 57th Annual American Power Conference, Vol. 57, Chicago, Illinois)	A	D
1995	Electric Power Research Insitute (EPRI)	Gas Turbine and Combined-Cycle Capacity Enhancement (Second Interim Report EPRI TR-104612, Electric Power Research institute, Palo Alto, California)	D	E
1995	Kitchen, B.J., *et al.*	Qualifying Combustion Turbines for Inlet Air Cooling Capacity Enhancement (Proceedings of the International Gas Turbine and Aeroengine Congress & Exhibition, Paper No. 95-GT-266, ASME)	D	
1995	Kohlenberger, C.R.	Gas Turbine Inlet Air Cooling and the Effect on a Westinghouse 501D5 CT (Proceedings of the International Gas Turbine and Aeroengine Congress & Exposition, Paper No. 95-GT-284, ASME)	A	D, O
1995	Cross, J.K., *et al.*	Modeling of Hybrid Combustion Turbine Inlet Air Cooling Systems (ASHRAE Transactions, Vol. 101, Pt. 2, pp. 1335-1341)	E	D
1995	Bettocchi, R., *et al.*	Gas Turbine Inlet Air Cooling Using Non-adiabatic Saturation Process (Proceedings of the 1995 ASME Cogen-Turbo Power Conference, Paper No. 95-CTP-49)	D	E
1994	Andrepont, J.S.	Performance and Economics of CT Inlet Air Cooling Using Chilled Water Storage (ASHRAE Transactions, Vol. 100, Pt. 1, pp. 587-594)	E	D
1994	Ebeling, J.A., *et al.*	Combustion Turbine Inlet Air Cooling Using Ammonia-Based Refrigeration for Capacity Enhancement (ASHRAE Transactions, Vol. 100, Pt. 1, pp. 583-586)	D	E
1994	Hall, A.D., *et al.*	Gas Turbine Inlet-Air Chilling at a Cogeneration Facility (ASHRAE Transactions, Vol. 100, Pt. 1, pp. 596-601)	A	D, E
1994	MacCracken, C.D.	Overview of the Progress and the Potential of Thermal Storage in Off-Peak Turbine Inlet Cooling (ASHRAE Transactions, Vol. 100, Pt. 1, pp. 569-571)	D	E, A
1994	Mackie, E.I.	Inlet Air Cooling for a Combustion Turbine Using Thermal Storage (ASHRAE Transactions, Vol. 100, Pt. 1, pp. 572-582)	A	D, E
1994	Andrepont, J.S. and Steinmann, S.L.	Summer Peaking Capacity Via Chilled Water Storage Cooling of Combustion Turbine Inlet Air (Proceedings of the 56th Annual American Power Conference, Vol. 56, Pt. 2, pp. 1345-1350, Chicago, Illinois)	E	D
1994	Lamfon, N.J., *et al.*	Thermophysical Relationships for Waste Heat Recovery Using Looped Heat Pipes (International Journal of Energy Research, Vol. 18, No. 7, pp. 633-642, United Kingdom)	D	
1994	Ebeling, J.A.	Qualitative Analysis of Combustion Turbine Inlet Aircooling Alternatives with Case Histories (Proceedings of the ASME Joint International Power Generation Conference, Paper No. 94-JPGC-GT-4)	D	A, E
1994	Ebeling, J.A.	Combustion Turbine Inlet Air Cooling Alternatives and Case Histories (Proceedings of the 27th Annual Frontiers of Power Conference, pp. X-1 - X-6, Oklahoma State Univ., Stillwater, OK)	D	A
1993	Electric Power Research Insitute (EPRI)	Report on Lincoln Electric System Gas Turbine Inlet Air Cooling (Final Report EPRI TR-103464, Electric Power Research institute, Palo Alto, California)	A	D, E
1993	Bacigalupo, E., *et al.*	Power Augmentation Using an Inlet Air Chilling System in a Cogen. Power Plant Equipped with a Heavy Duty GT (Proceedings of the ASME COGEN-TURBO Power Congress and Exhibition, pp. 1-10)	D	A
1993	Bennett, B.A., *et al.*	Increased Output from a TEWAC Generator Using a Packaged Liquid Chiller and Process (Proceedings of the 1993 International Joint Power Generation Conference, PWR Vol. 22, pp. 63-68, ASME)	A	D
1992	Hufford, P.E.	Absorption Chillers Improve Cogeneration Energy Efficiency (ASHRAE Journal, Vol. 34, No. 3, Atlanta, Georgia)	D	
1992	Ebeling, J.A., *et al.*	Peaking Gas Turbine Capacity Enhancement Using Ice Storage for Compressor Inlet Air Cooling (ASME International Gas Turbine and Aeroengine Congress, Paper No. 92-GT-265)	D	A, E
1992	Mornhed, G., *et al.*	District Cooling with Gas Turbine Driven Ammonia Chillers (Proceedings of the International District Energy Association, Vol. 83, pp. 257-271, Westborough, Massachusetts)	A	D
1991	Zwillenberg, M.L., *et al.*	Assessment of Refrigeration-Type Cooling of Inlet Air for Essex Unit No. 9 (ASME International Power Generation Conference, Paper No. 91-JPGC-GT-4)	E	D, A
1991	Ondryas, I.S., *et al.*	Options in Gas Turbine Power Augmentation Using Inlet Air Chilling (Journal of Engineering for Gas Turbines and Power, Vol. 113, No. 2, pp. 203-211)	D	E
1991	Ebeling, J.A.	Combustion Turbine Inlet Air Cooling With Thermal Energy Storage (Proceedings of the 4th International Power Generation Exhibition & Conference, Power-Gen '91)	D	A, E