

## 2011-2012 ASHRAE Distinguished Lecturers

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Tuesday, November 29, 2011

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Roberto R. Aguilo, P.E.</b> Estudio Ing. Aguilo & Associates Tres Arroyos 2421 Buenos Aires 1416 ARGENTINA Tel: (5411) 4584-1582 Email <a href="mailto:raguilo@fibertel.com.ar">raguilo@fibertel.com.ar</a>	1 Refrigerant Flow Controls Methods in Industrial Refrigeration	None	7/1/2008	English Spanish
	2 Supermarkets Refrigeration System & Sustainability			
	3 The Refrigeration Processes in the Food Industry			
	4 The Use of CO2 as Refrigerant			
<b>William P. Bahnfleth, Ph.D., P.E.</b> Pennsylvania State University 104 Engineering Unit A University Park, PA 16802 Tel: (814) 863-2076 Email <a href="mailto:wbahnfleth@psu.edu">wbahnfleth@psu.edu</a>	1 Cool Thermal Energy Storage in the Era of Sustainability	None	7/1/2009	English
	2 Fundamentals of Ultraviolet Germicidal Irradiation for Air & Surface Disinfection			
	3 The ASHRAE Building Energy Labeling Program			
	4 Variable Primary Flow Chilled Water Systems			
<b>Robert G. Baker</b> BBJ Environmental Solutions 6321 Pelican Creek Circle Riverview, FL 33578 Tel: (813) 217-5273 Email <a href="mailto:rbaker@bbjenviro.com">rbaker@bbjenviro.com</a>	1 Excellence in HVAC System Hygiene: A Wise Investment	Contact lecturer	7/1/2008	English
	2 Green Maintenance Needed to Keep HVAC Systems Green			
	3 Standard 180: A New Approach to HVAC System Maintenance			
	4 The Other Chemistry of HVAC			

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<b>Barry I. Benator, P.E.</b> Benatech, Inc. 4895 Kings Valley Drive Suite 100 Roswell, GA 30075 Tel: (770) 998-3302 Email <a href="mailto:bbenator@benatech.com">bbenator@benatech.com</a>	1 Characteristics & Competencies of Outstanding Leaders — An Overview 2 Effective Communication Skills 3 Ethical Decision Making 4 Fundamentals of Project Management 5 Win-Win Negotiating Skills	None	7/1/2007	English
<b>Hoy R. Bohanon, Jr., P.E.</b> WorkingBuildings, LLC 1756 Huntington Woods Court Winston-Salem, NC 27103 Tel: (678) 324-3882 Email <a href="mailto:hrbohanon@workingbuildings.com">hrbohanon@workingbuildings.com</a>	1 Commissioning Energy Recovery Equipment 2 How to Apply the ASHRAE Standard 62.1 Multiple Spaces Equation 3 How to Implement Demand Control Ventilation & Comply with ASHRAE Standards 4 Update on ASHRAE Standard 62.1 5 Using the Retro-Commissioning Process for Energy Savings	None	7/1/2009	English
<b>Armando L. Chamorro</b> CTH Environmental Solutions 425 SW 17th Avenue Miami, FL 33135 Tel: (305) 860-0101 Email <a href="mailto:achamorro@cihenvironmental.com">achamorro@cihenvironmental.com</a>	1 Indoor Environmental Quality Testing to Achieve LEED Certification 2 Tools to Assist You Comply with ASHRAE 62.1-2007 in Existing Buildings 3 Use of Tracer Gases in Building Forensic Studies	None	7/1/2010	English Spanish

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<p><b>Qingyan Chen, Ph.D.</b>  Purdue University  585 Purdue Mall  West Lafayette, IN 47907  Tel: (765) 496-7534  Email <a href="mailto:yanchen@purdue.edu">yanchen@purdue.edu</a></p>	<ol style="list-style-type: none"> <li>1 Computational Fluid Dynamics for Indoor Environment Modeling: Past Present, and Future</li> <li>2 Designing Healthy, Safe, and Energy-Efficient Buildings</li> <li>3 Low Carbon and Energy Efficient Green Buildings</li> </ol>	None	7/1/2011	English Chinese
<p><b>Thiam Leong Chen, P.E., CEng.</b>  Primetech Engineers, Sdn Bhd  19B &amp; 21B, Jalan 17/45  Petaling Jaya  Selangor 46400  MALAYSIA  Tel: (601) 22159813  Email <a href="mailto:tichen55@gmail.com">tichen55@gmail.com</a></p>	<ol style="list-style-type: none"> <li>1 A Selection of Common HVAC Design Problems for Hot &amp; Humid Climate Application</li> <li>2 The Green Building Index (GBI) - A Green Building Rating Tool for the Tropics</li> </ol>	None	7/1/2006	English
<p><b>Fabio Clavijo, P.E.</b>  Tecnaire Ltda  Calle 62 No 20-46  Bogota, DC  COLOMBIA  Tel: (571) 347-0454  Email <a href="mailto:presidencia@tecnaire.com">presidencia@tecnaire.com</a></p>	<ol style="list-style-type: none"> <li>1 Applied Psychometrics to Dehumidification Processes</li> <li>2 Dehumidification – Basic Concepts</li> <li>3 Energy in Buildings – An HVAC Perspective for the 21st Century</li> <li>4 Indoor Air Quality &amp; UVC Technology</li> <li>5 Moisture Loads in Dehumidification Applications</li> </ol>	None	7/1/2008	English Spanish

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<p><b>William J. Coad, P.E.</b>  Coad Engineering Enterprises  4545 Oleatha Avenue  St. Louis, MO 63116  Tel: (314) 645-6232  Email <a href="mailto:wjcoad@coadengineering.com">wjcoad@coadengineering.com</a></p>	<ol style="list-style-type: none"> <li>1 A Fundamental Perspective on Chilled Water Systems</li> <li>2 Air Conditioning Systems for Improved Comfort &amp; Air Quality</li> <li>3 The Ethics &amp; the Economics of Energy Conservation</li> <li>4 VAV System Design: Problems &amp; Opportunities</li> </ol>	None	7/1/1998	English
<p><b>Drury Crawley, Ph.D.</b>  Bentley Systems, Inc.  1250 24th Street NW  Suite 300  Washington, DC 20037  Tel: (202) 604-1359  Email <a href="mailto:dbcrawley@gmail.com">dbcrawley@gmail.com</a></p>	<ol style="list-style-type: none"> <li>1 Advanced Energy Design Guides</li> <li>2 Are High Performance Buildings Really Performing?</li> <li>3 ASHRAE Standard 189.1 - Structure, Requirements &amp; Energy Savings</li> <li>4 EnergyPlus, DOE's New Generation Building Energy Simulation Program</li> <li>5 Future Trends in Buildings and Energy Simulation</li> <li>6 Getting From AEDGs to Zero-Energy Buildings</li> <li>7 Impacts of Climate Change &amp; Urbanization on Future Building Performance</li> </ol>	\$250 donation to ASHRAE Research	7/1/2008	English
<p><b>Chandana N. Dalugoda</b>  Chandana Dalugoda Consultants  12/9, Maharagama Road  Makuluduwa Piliyandala 10300  SRI LANKA  Tel: 94-011-2700276  Email <a href="mailto:chandana_cnd@sltnet.lk">chandana_cnd@sltnet.lk</a></p>	<ol style="list-style-type: none"> <li>1 Air Conditioning Systems for Tropical Humid Climates</li> <li>2 Applied Psychrometrics for Air Conditioning Systems</li> <li>3 Cooling Load Calculations ASHRAE CLTD/SCL/CLF Method</li> </ol>	None	7/1/2011	English

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<b>Julian R. de Bullet</b> McQuay International (retired) 479 Baldwin Road Front Royal, VA 22630 Tel: (540) 636-4994 Email <a href="mailto:julian@debullet.com">julian@debullet.com</a>	1 ASHRAE Standard 90.1 – An Overlook 2 Centrifugal Chiller Fundamentals 3 Chiller Plant Design Fundamentals 4 Climate Changes 5 Condenser Water Heat Recovery 6 Constant Flow Chiller Plant Design 7 Energy Analysis, Option or Necessity? 8 Green “Sustainable” HVAC Design 9 Magnetic Bearing, Frictionless Centrifugal Chiller Systems 10 Optimal Air: A Cool Solution 11 Responsible Use of Refrigerants 12 School HVAC Design 13 Selection Criteria Affecting the Chiller in a Chilled Water System 14 Sound HVAC Choices 15 Variable Flow Chiller Plant Design 16 Variable Refrigerant Flow Systems	None	7/1/2003	English
<b>James C. Edmondson, Jr.</b> James M. Pleasants Company P.O. Box 16706 Greensboro, NC 27416 Tel: (336) 378-9911 Email <a href="mailto:chrise@jmpco.com">chrise@jmpco.com</a>	1 A Review of Primary Secondary Systems 2 An Introduction to Ice Storage Systems 3 Cooling Tower & Condenser Piping 4 Is It Raining in Your Boiler? 5 Manual Versus Automatic Balance of Hydronic Systems 6 The Primary Secondary Versus Variable Primary Debate	None	7/1/2002	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Forrest B. FencI</b> UV Resources 7021 Starlight Circle Huntington Beach, CA 92647 Tel: (714) 841-6397 Email <a href="mailto:forrest.fencI@verizon.net">forrest.fencI@verizon.net</a>	1 UVC Technology for Bio/Chem-Oriented Terrorism	None	7/1/2004	English
	2 UVC Technology for Controlling Circulating Infectious Agents			
	3 UVC Technology for System Capacity, Maintenance and IAQ			
<b>Edward L. Fronapfel, P.E.</b> SBSA, Inc. 4680 Table Mountain Drive Suite 170 Golden, CO 80403 Tel: (303) 425-7272 Email <a href="mailto:efronapfel@callsbsa.com">efronapfel@callsbsa.com</a>	1 Building Science Applications: Blower Door, Infrared, Alternate Performance Studies, Infrared Analysis	None	7/1/2004	English
	2 Case Study of Biological Determination and Causation of Housing Project			
	3 Construction Defect Claims			
	4 Crawlspace & Structural Wood Floor Design & Construction			
	5 Forensic Engineering in Building Inspections			
	6 In Floor Heat Analysis & Location Utilizing Infrared Applications			
	7 Log Home Air Infiltration Analysis Utilizing Blower Door & Infrared Analysis			
	8 Snow Load Failures From the March 2003 Colorado Blizzard			
<b>Victor W. Goldschmidt, Ph.D.</b> Dynamic Creativity Applications P.O. Box 423 Northport, MI 49670 Tel: (231) 386-9058 Email <a href="mailto:creating2@earthlink.net">creating2@earthlink.net</a>	1 Active Listening & Styles of Communication	None	7/1/2002	English Spanish
	2 Air Conditioning: A Look Into the Past & a Guess into the Future			
	3 ASHRAE's Core Values, & Their Implication			
	4 Communications & Group Dynamics			
	5 Developing Creativity			
	6 Differing Perspectives into Global Warming			
	7 Leadership Principles			
	8 Principles of Leadership & Change			
	9 Principles of Leadership & Group Dynamics			
	10 Problem Solving in Engineering			
	11 Problem Solving: Principles & Practices			
	12 Releasing Individuals' Own Creativity			
	13 Strategic Planning			
	14 Sustainability, Energy Sources, and Implications in the Context of Power Plants			

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<b>Eckhard A. Groll, Dr. Eng.</b> Purdue University 140 S. Martin Jischke Drive West Lafayette, IN 47907 Tel: (765) 496-2201 Email <a href="mailto:groll@purdue.edu">groll@purdue.edu</a>	1 Recent Research of Novel Compression Concepts for Heat Pumping, A/C & Refrigeration Apps. 2 Update on Refrigerants: Past, Present and Future	None	7/1/2011	English
<b>Charles E. Gulledge, III, P.E.</b> AC Corporation 301 Creek Ridge Road Greensboro, NC 27406 Tel: (336) 273-4472 Email <a href="mailto:cgulledge@accorporation.com">cgulledge@accorporation.com</a>	1 Integrated Building Design 2 MasterFormat 2004	None	7/1/2006	English
<b>Arthur D. Hallstrom, P.E.</b> AD Hall and Associates 500 Grove Lane Lexington, KY 40517 Tel: (859) 940-0508 Email <a href="mailto:art@ahallstrom.com">art@ahallstrom.com</a>	1 Where are we headed?	None	7/1/2011	English

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<p><b>Sheila J. Hayter, P.E.</b>  NREL  1617 Cole Blvd.  M/S RSF401  Golden, CO 80401  Tel: (303) 384-7519  Email <a href="mailto:sheila.hayter@nrel.gov">sheila.hayter@nrel.gov</a></p>	<p>1 Integrating Renewable Energy Systems into Buildings</p>	<p>None</p>	<p>7/1/2011</p>	<p>English</p>
<p><b>Gordon V. R. Holness, P.E.</b>  Consulting Engineer  10465 Terra Lago Drive  West Palm Beach, FL 33412  Tel: (561) 776-1033  Email <a href="mailto:gholness@comcast.net">gholness@comcast.net</a></p>	<p>1 Abstract Seminar - ASHRAE Standard 189.1 High Performance Green Buildings  2 Achieving Energy Performance in Buildings - Going Beyond Codes &amp; Standards  3 High Performance Buildings - What are They &amp; What does it Take to Achieve Them</p>	<p>None</p>	<p>7/1/2010</p>	<p>English</p>
<p><b>Daniel Int-Hout, III</b>  Krueger  1401 North Plano Road  Richardson, TX 75081  Tel: (972) 497-0418  Email <a href="mailto:daninthout@aol.com">daninthout@aol.com</a></p>	<p>1 Avoiding Sick Buildings While Assuring Occupant Productivity &amp; Building Optimization  2 Methods of Effective Room Air Distribution  3 Selecting VAV for Acceptable IAQ</p>	<p>None</p>	<p>7/1/2002</p>	<p>English</p>

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Hank Jackson, P.E.</b> ETech Solutions P.O. Box 2355 Weaverville, NC 28787 Tel: (828) 691-0785 Email <a href="mailto:hjackson@juno.com">hjackson@juno.com</a>	<ol style="list-style-type: none"> <li>1 Beam Me Up Scottie! Transport Energy: Motors, Fans, &amp; Pumps</li> <li>2 Green Buildings: Help or Hype?</li> <li>3 Introduction to Geothermal Heat Pump Systems</li> <li>4 Just Do It! How to Get Started With an Energy Efficiency Survey</li> <li>5 Overcoming Objections to Energy Efficiency Investments</li> <li>6 Transformers: Turning Existing Building Green</li> </ol>	None	7/1/2008	English
<b>Sanjeev Jain, Ph.D.</b> Indian Institute of Technology Delhi Department of Mechanical Engineering Hauz Khas New Delhi 110016 INDIA Tel: 911126591060 Email <a href="mailto:sanjeevj@mech.iitd.ac.in">sanjeevj@mech.iitd.ac.in</a>	<ol style="list-style-type: none"> <li>1 Advanced Evaporative Cooling Systems for Sustainable Development</li> <li>2 Desiccant Technologies for Dehumidification &amp; Cooling</li> <li>3 Natural Refrigerants: Meeting the Challenges to Sustainability</li> <li>4 Renewable &amp; Low Energy Driven Cooling Technologies for a Greener Tomorrow</li> </ol>	Optional	7/1/2009	English
<b>Ronald E. Jarnagin</b> Pacific Northwest National Lab P. O. Box 999 MS #K5-16 Richland, WA 99352 Tel: (509)375-3813 Email <a href="mailto:ron.jarnagin@pnl.gov">ron.jarnagin@pnl.gov</a>	<ol style="list-style-type: none"> <li>1 Advanced Energy Design Guides – Going Beyond Minimum Standards</li> <li>2 ASHRAE Headquarters Renovation – What Happens When Leaders try to do it Right</li> <li>3 ASHRAE’s Building Energy Labeling Program – A First Look</li> <li>4 ASHRAE’s Living Laboratory – Learning and Involvement by all Members</li> <li>5 Moving from Blue to Green – ASHRAE’s Path to Sustainability</li> <li>6 Standard 90.1 – Past, Present and Future</li> <li>7 Today’s ASHRAE – It’s Not What You Think Anymore</li> </ol>	None	7/1/2009	English

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<b>David John, P.E.</b> Metal Industries, Inc. 1985 Carroll Street Clearwater, FL 33765 Tel: (727) 441-2651 x-409 Email <a href="mailto:djohn@metalaire.com">djohn@metalaire.com</a>	1 Air Terminal Unit Selection Guidelines for Consulting Engineers 2 Fundamentals of Room Air Distribution	None	7/1/2010	English
<b>Essam Eldin Khalil, Ph.D.</b> Cairo University Faculty of Engineering 6 IBN Malek Street Suite 72 Giza Cairo EGYPT Tel: 002-02-33356080 Email <a href="mailto:Khalile1@ASME.org">Khalile1@ASME.org</a>	1 Air Flow, Thermal and Humidity Patterns in Ventilated Archaeological Tombs, Valley of the Kings, Luxor 2 Air-Conditioning for Improved Comfort and Air Quality 3 Air-Conditioning Systems in Hospitals & Critical Healthcare Systems 4 Energy Performance of Buildings 5 Issues for International Collaboration	\$300	7/1/2004	Arabic English
<b>Kishor Khankari, Ph.D.</b> Syska Hennessy Group 3814 Mill Pond Lane Ann Arbor, MI 48108 Tel: (312) 342-2953 Email <a href="mailto:kkhankari@syska.com">kkhankari@syska.com</a>	1 Airflow Management Best Practices for Data Centers 2 Application of Computational Fluid Dynamics (CFD) for Built Environment 3 Design and Analysis of Natural Ventilation Systems 4 Stratified Air Ventilation Systems	None	7/1/2011	English Hindi Marathi

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<b>Ralph Kittler, P.E.</b> Seresco, Inc. 2107 N. Decatur Road Decatur, GA 30033 Tel: (770) 457-3392 ext. 150 Email <a href="mailto:rakittler@serescodehumidifiers.com">rakittler@serescodehumidifiers.com</a>	1 Natatorium Design and Dehumidification	None	7/1/2007	English
<b>M. Dennis Knight, P.E.</b> Whole Building Systems 147 Wappoo Creek Drive Suite 400 Charleston, SC 29412 Tel: (843)762-2222 Email <a href="mailto:dknight@wholebuildingsystems.com">dknight@wholebuildingsystems.com</a>	1 Building Information Modeling for the Mechanical Disciplines 2 Building Performance Analysis for Building Performance Rating Systems 3 Developing an Integrated Personal Management System to help Get Things Done 4 Integrated Building Design	None	7/1/2009	English
<b>Bryan T. Lampley, P.E.</b> 7173 Mantlewood Lane Kernersville, NC 27284 Tel: (336) 273-9587 Email <a href="mailto:blampley@easinc.net">blampley@easinc.net</a>	1 Digital Controls Systems Explained 2 Open Control System or What's in a Name	None	7/1/2010	English

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<p><b>Jose Luis Frias Lavalle</b>  Dhimex SA CV  Toronjil No. 180-A  Victoria de las Democracias  Mexico 02810  MEXICO  Tel: (525) 682-3543  Email <a href="mailto:jlfrias@prodigy.net.mx">jlfrias@prodigy.net.mx</a></p>	<p>1 Expansion, Pressurization and Control of the Air in Hydronic Systems  2 Hydraulic Principles  3 Hydronic Systems  4 Installation, Operation and Maintenance of Centrifugal Pumps  5 Potable Hot Water Supply Systems  6 Selection of Centrifugal Pumps  7 Thermodynamic Principles of Heat Exchange</p>	None	7/1/2011	Spanish English
<p><b>Thomas M. Lawrence, Ph.D., P.E.</b>  University of Georgia  Driftmier Engineering Center  Annex Room 106  Athens, GA 30602  Tel: (706) 542-4322  Email <a href="mailto:lawrence@engr.uga.edu">lawrence@engr.uga.edu</a></p>	<p>1 CO2 Monitoring for Outdoor Airflow and Demand-Controlled Ventilation  2 Green Buildings, LEED and the new ASHRAE Standard 189.1-2009  3 Mechanical Design for Green Buildings  4 The ASHRAE Green Guide  5 The 'Green Awakening': The Coming Carbon Economy &amp; Determining Your Building's CO2 Footprint  6 The New ASHRAE Standard 189.1-2009 for High Performance Green Buildings</p>	None	7/1/2007	English
<p><b>Marlene Linders</b>  Philders Group International, Inc.  801 International Parkway  Floor 5  Heathrow, FL 32746  Tel: (407) 562-1626  Email <a href="mailto:mlinders@phildersgroup.net">mlinders@phildersgroup.net</a></p>	<p>1 ICRA (Infection Control Risk Assessment) 101: Understanding the Basics of Liability &amp; Risk During Healthcare Construction  2 Preparing for the Unthinkable: Seven Components in Preparing for Business Continuity in the Advent of a Pandemic</p>	None	7/1/2008	English German

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<b>William A. Lotz, P.E.</b> 1307 Acton Ridge Road Acton, ME 04001 Tel: (207) 636-2625 Email <a href="mailto:lotz@metrocast.net">lotz@metrocast.net</a>	1 Geothermal Heating and Cooling Systems Fail on Two Commercial Projects 2 Moisture Problems in Buildings 3 Pipe Insulation Liability on Underground Piping 4 Thermal Insulation Systems in Buildings vs. the HVAC System	\$150	7/1/2001	English
<b>Apichit Lumlertpongpana, P.E.</b> I.T.C. Company Ltd 115-119 Soi Ramkhamhaeng 58/4 Huamark Bangkok 10240 THAILAND Tel: 6623744640 Email <a href="mailto:apichit.lpana@itc-group.co.th">apichit.lpana@itc-group.co.th</a>	1 How to Design Ammonia Save & Safe 2 Ice on Coil External and Internal Melt Thermal Ice Storage Design 3 Industrial Refrigeration for Food Preservation such as Abattoir, Meat, Poultry, Marine Products, Vegetable & Tropical Fruit Processing Plant 4 Turnkey Industrial Refrigeration Plant Design-Built & Manufacturing - From Beginning to End	None	7/1/2010	Chinese English Thai
<b>Mark M. MacCracken, P.E.</b> CALMAC Mfg. Corp. 3-00 Banta Place Fair Lawn, NJ 7410 Tel: (201) 797-1511 Email <a href="mailto:mmaccracken@calmac.com">mmaccracken@calmac.com</a>	1 ASHRAE Standard 189.1: What is it & What Does it Mean to You? 2 Energy Storage: A Vital Element in a Lower Carbon World 3 TES Myths 4 Thermal Energy Storage and LEED	None	7/1/2004	English

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<b>R. Christopher Mathis</b> MC2 Mathis Consulting Company P.O. Box 18055 Asheville, NC 28814 Tel: (828) 678-3500 Email <a href="mailto:chris@mathisconsulting.com">chris@mathisconsulting.com</a>	1 Building Science Lessons from the Honey Bee 2 Compliance with ASHRAE 90.1 3 Energy Efficiency in Commercial Buildings 4 Energy Efficiency in Residential Buildings 5 Energy Efficient Window and Fenestration Technologies 6 How Long Will it Last? Addressing the Challenge of Sustainability	\$500	7/1/2009	English
<b>Merle McBride, Ph.D., P.E.</b> Owens Corning 2790 Columbus Road Granville, OH 43023 Tel: (740) 321-7083 Email <a href="mailto:merle.mcbride@owenscorning.com">merle.mcbride@owenscorning.com</a>	1 Advanced Energy Design Guides (AEDG) 2 ANSI/ASHRAE/USGBC/IES Standard 189.1-2009: Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings	None	7/1/2008	English
<b>Christopher M. McDonald, Esquire</b> Shook Hardy and Bacon, L.L.P. 2555 Grand Blvd. Kansas City, MO 64108 Tel: (816) 474-6550 Email <a href="mailto:cmcdonald@shb.com">cmcdonald@shb.com</a>	1 Document Management & Discovery – How Documents & E-mails are Used in Litigation 2 IAQ & Mold: Legal Issues and Liability Concerns for Engineers & Related Industry Professionals	None	7/1/2004	English

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<b>Tim J. McGinn, P.E.</b> Cohos Evamy 300-134 11 Avenue SE Calgary, AB T2G 0X5 CANADA Tel: (403) 541-5462 Email <a href="mailto:mcginnt@cohos-evamy.com">mcginnt@cohos-evamy.com</a>	1 A Green Building Primer 2 European Technologies and their Application in North America 3 Low Impact Mechanical Systems 4 Participating in the Integrated Design Process 5 Setting Fees for Profitable Green Building Projects	None	7/1/2008	English
<b>Kirk T. Mescher, P.E.</b> CM Engineering 700 Cherry Street Suite C Columbia, MO 65201 Tel: (573) 874-9455 Email <a href="mailto:kirk@cmeng.com">kirk@cmeng.com</a>	1 12 Steps to Improved Geo-exchange System Design & Performance 2 Geo-exchange 101 - Owners, Architects & Engineers - What They Need to Know 3 Outside Air Systems for Geo-exchange	None	7/1/2011	English
<b>Thomas R. Meyer, P.E.</b> Praxis Green P.O. Box 854 Neenah, WI 54957 Tel: (920) 558-4473 Email <a href="mailto:tmeyer@praxidsgreeninc.com">tmeyer@praxidsgreeninc.com</a>	1 A Taste of GreenSpeak – The Language and Culture of Green 2 Building Water Systems – Water, Water Everywhere. Which Drop to Drink?	None	7/1/2010	English Spanish

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<b>Brian P. Monk, P.E.</b> Annexair 5970 Henri Bourassa West Montreal, QB H4R 3A6 CANADA Tel: (514) 324-5050, Ext. 249 Email <a href="mailto:brian.monk@carrier.utc.com">brian.monk@carrier.utc.com</a>	1 Controlling Environmental Tobacco Smoke in Restaurants, Bars and Casinos 2 Current Trends in Design & Installation of Filtration Systems For Building HVAC Security 3 Dehumidification and Air Quality in Indoor Pool Environments 4 Emergency Air Filtration and Air Pollution Control for Water Treatment Plants 5 Energy Savings by Integrating a Total Filtration Strategy into Building HVAC 6 Environmental and Emissions Filtration in Waste Water Treatment Facilities 7 Filtration for High Performing Buildings 8 Gas Phase Filtration for the Elimination of Corrosive, Odorous and Toxic Gases 9 Hospital Filtration Systems and Airborne Contaminant Control 10 IAQ in Airports 11 Indoor Air Security Systems and Design Strategies 12 Precision Environmental Control in Museums and Archival Storage Areas 13 The Use of Gas-Phase Air Filtration and ANSI/ ASHRAE Standard 62.1	None	7/1/2003	English French
<b>Ross Montgomery, P.E.</b> QST 6502 28th Avenue E Palmetto, FL 34221 Tel: (941) 737-1401 Email <a href="mailto:rossmont@aol.com">rossmont@aol.com</a>	1 ASHRAE BEQ Energy Labeling Program - Overview	None	7/1/2011	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<p><b>Christopher O. Muller</b>  Purafil, Inc.  2654 Weaver Way  Doraville, GA 30340  Tel: (770) 662-8545, X349  Email <a href="mailto:cmuller@purafil.com">cmuller@purafil.com</a></p>	<ol style="list-style-type: none"> <li>1 Achieving your Indoor Air Quality Goals: Which Filtration System Works Best?</li> <li>2 Air Quality Guidelines for Museums, Archives, and Libraries</li> <li>3 Application of Gas-Phase Air Filtration in Pharmaceutical, Biotechnology, &amp; Life Science Manufacturing</li> <li>4 Applying the IAQ Procedure of ASHRAE 62.1-2007 at K-12 Educational Facilities</li> <li>5 Beyond HEPAs: Chemical Filtration for Cleanroom Applications</li> <li>6 Beyond Ozone: Cleaning Outdoor Air for IAQ</li> <li>7 Carbon Dioxide Monitoring: IAQ Indicator or Just Another "Boy Who Cried Wolf?"</li> <li>8 Controlling Gaseous &amp; Particulate Contamination in Data Centers</li> <li>9 From Modeling to Implementation: Achieving IAQ &amp; Energy Conservation Goals w/ASHRAE 62-2007</li> <li>10 Guidelines and Considerations for Specification of AMC Control in Cleanrooms</li> <li>11 Improving Building IAQ Reduces HVAC Energy Cost</li> <li>12 Practical Application of Energy Conservation with ASHRAE Standard 62.1</li> <li>13 Practical Applications of Reactivity Monitoring in Museums &amp; Archives</li> <li>14 Proper Design &amp; Use of Gas-Phase Air Filtration Systems for the Control of Environmental Tobacco Smoke</li> <li>15 Protecting Against Chemical Agents of War: Applying Internal Filtration</li> <li>16 Specialized Filtration Required for Museums</li> <li>17 The Control of Nitrogen Oxides from Motor Vehicle Exhaust for Improved IAQ</li> <li>18 The Role of Filtration &amp; Air Cleaning in Sustaining Acceptable IAQ Through Ventilation Replacement</li> </ol>	None	7/1/2005	English
<p><b>Stanley A. Mumma, Ph.D., P.E.</b>  Penn State University  104 Engineering  Unit A  University Park, PA 16802  Tel: (814) 355-1504  Email <a href="mailto:samarc@engr.psu.edu">samarc@engr.psu.edu</a></p>	<ol style="list-style-type: none"> <li>1 Chilled Ceilings, Floors, &amp; Beams</li> <li>2 Dedicated Outdoor Air Systems (DOAS): Design &amp; Field Experiences</li> </ol>	None	7/1/2002	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Daniel H. Nall, P.E.</b> Flack & Kurtz 475 Fifth Avenue New York, NY 10017 Tel: (212) 951-2691 Email <a href="mailto:Daniel.nall@ny.fk.com">Daniel.nall@ny.fk.com</a>	1 ASHRAE Building Energy Quotient (bEQ) 2 Computational Fluid Dynamics Analysis for Building Comfort Systems Design 3 The ASHRAE Advanced Energy Design Guides 4 Thermally Active Floors for Space Conditioning	None	7/1/2008	English
<b>James L. Newman</b> Newman Consulting Group, LLC 6600 Valley Spring Drive Bloomfield Hills, MI 48301 Tel: (248) 626-4910 Email <a href="mailto:jimn@newmanconsultinggroup.us">jimn@newmanconsultinggroup.us</a>	1 ASHRAE BeQ and ASTM BEPA: What the Difference Is Between Them – and How You Can Use Them to your Advantage 2 Energy and Sustainability in Existing Buildings - Being “Green” and Saving Green with Energy Audits 3 Green Practices & ASHRAE Standards 90.1 & 62.1 – How to Have a Healthier, More Profitable Building w/Better Mechanical/Electrical Design (& More Thought to the Building Envelope) 4 How to Achieve LEED Gold Certification & Enjoy a Healthier, Less Costly Building w/Better HVAC Design 5 IAQ, Productivity, Health, Energy & Legal Liability – How to Avoid Problems, OR How Much Does a Lawsuit Cost Compared to Good IAQ? 6 LEED & Integrated Design – What Does That Really Mean? 7 The Energy Policy Act of 2005 (EPA Act 2005) – and How You Can Profit from It 8 Transforming an Older Facility into a High-Performance Building 9 Why High Performance Green Buildings Don't Have to Cost More	\$125 to ASHRAE Research	7/1/2010	English
<b>Jianlei Niu, Ph.D.</b> The Hong Kong Polytechnic University Dept. of Bldg. Services Engineering Hunghom, Kowloon HONG KONG Tel: (852) 27667781 Email <a href="mailto:bejlniu@polyu.edu.hk">bejlniu@polyu.edu.hk</a>	1 High-Rise Residential Building Ventilation Design: Public Health & Local Community Air Quality 2 Low-Energy Building Cooling & Heating Technologies: From Sky to Underground to Address Sustainability 3 Personalized Ventilation: Energy Saving Potentials & Application Modes 4 Room Air Distribution: Stratified Air Distribution Systems & Reduced Cooling Load Calculation Methods	None	7/1/2009	Chinese English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>R. Mark Nunnelly, P.E.</b> Nunnelly & Associates, Inc. 1425 Eden Ridge Circle Birmingham, AL 35244 Tel: (205) 425-0060 Email <a href="mailto:munnelly@bellsouth.net">munnelly@bellsouth.net</a>	1 A Designer's Introduction to Commercial Desiccant Systems 2 Desiccant Dehumidification in the Healthcare Setting 3 Desiccant Dehumidification Technologies - When & Where to Apply 4 Designing for Absolute Moisture Control 5 Humidity Control for Commercial Buildings 6 Psychometrics, Dehumidification Equipments & their Application 7 Understanding the Basics of Psychometrics 8 Why is it Raining in my Surgery Suite?	Domestic presentations - \$300-\$500 Range; International presentations - \$1,000 - \$1,500 Range	7/1/2003	English
<b>Raymond E. Patenaude, P.E.</b> The Holmes Agency, Inc. 1117 Pinellas Bayway S. Apt. 404 Tierra Verde FL 33715 Tel: (727) 365-5120 Email <a href="mailto:ray@theholmesagency.com">ray@theholmesagency.com</a>	1 Designing Buildings in Hot and Humid Climates	None	7/1/2011	English
<b>Richard J. Pearson, P.E.</b> Pearson Engineering, LLC 14 Ellis Potter Court Madison, WI 53711 Tel: (608) 274-3339 Email <a href="mailto:dick@pearsonengineering.com">dick@pearsonengineering.com</a>	1 Energy Management in New & Existing Buildings: A Sustainable Activity	None	7/1/2008	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<p><b>Kent W. Peterson, P.E.</b>  P2S Engineering, Inc.  5000 East Spring Street  8th Floor  Long Beach, CA 90815  Tel: (562) 497-2999  Email <a href="mailto:kent.peterson@p2seng.com">kent.peterson@p2seng.com</a></p>	<ol style="list-style-type: none"> <li>1 Achieving Design Quality</li> <li>2 Green Codes and Standard 189.1: Standard for the Design of High-Performance Green Buildings</li> <li>3 High Performance Building Design</li> <li>4 Optimizing Central Chilled Water Systems</li> </ol>	None	7/1/2010	English
<p><b>Paul L. Pieper, P.E.</b>  Venmar CES, Inc.  200 Rue Carter  St Leonard D'Aston, PQ J0C 1M0  CANADA  Tel: (514) 299-3311  Email <a href="mailto:ppieper@venmarces.com">ppieper@venmarces.com</a></p>	<ol style="list-style-type: none"> <li>1 Air-to-Air Energy Recovery for High Performance Schools: Improving Energy &amp; Indoor Environmental Quality</li> <li>2 Meeting &amp; Exceeding High Performance Standards, Codes &amp; Guidelines with Air-to-Air Energy Recovery Systems &amp; Equipment</li> <li>3 Understanding and Evaluating Air-to-Air Energy Recovery Technologies</li> </ol>	As per Chapter	7/1/2008	English French
<p><b>Todd L. Rindlibaker, P.E.</b>  Rindlibaker Commissioning, Inc  2685 Craig Drive  Salt Lake City, UT 84109  Tel: (801)401-8445  Email <a href="mailto:toddlr@me.com">toddlr@me.com</a></p>	<ol style="list-style-type: none"> <li>1 Design Engineers Working with a Commissioning Authority</li> <li>2 The Integrated Project Delivery Process</li> <li>3 The LEED &amp; ASHRAE Affair:</li> <li>4 Who Sabotaged My High-Performance Building?</li> </ol>	Negotiable	7/1/2009	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<p><b>Chandra Sekhar, Ph.D.</b> National University of Singapore Dept. of Building 4 Architecture Drive Singapore 117566 SINGAPORE Tel: (65) 65163479 Email <a href="mailto:bdgscs@nus.edu.sg">bdgscs@nus.edu.sg</a></p>	<ol style="list-style-type: none"> <li>1 Decoupled Ventilation Strategies for Enhanced IAQ – “Demand Cooling” and “Demand Ventilation”</li> <li>2 Integrated IAQ and Energy Case Studies in the Tropics</li> <li>3 International Ventilation and IAQ Standards</li> <li>4 Ventilation, IAQ and Energy Issues in Hot Humid Climates – Past, Present and Future</li> </ol>	None	7/1/2006	English
<p><b>Frank Shadpour, P.E.</b> SC Engineers, Inc. 17075 Via Del Campo 1st Floor San Diego, CA 92127 Tel: (858) 946-0333 Email <a href="mailto:frank@scengineers.net">frank@scengineers.net</a></p>	<ol style="list-style-type: none"> <li>1 Rule of Thumb Checks for HVAC DDC Open Systems - Practical Examples &amp; Rule of Thumb Checks</li> <li>2 Using DDC Systems as a Tool for Commissioning Sustainable Buildings</li> </ol>	None	7/1/2001	English
<p><b>Max H. Sherman, Ph.D.</b> Lawrence Berkeley Laboratory Building 90 - Room 3074 1 Cyclotron Road Berkeley, CA 94720 Tel: (510) 486-4022 Email <a href="mailto:mhsherman@lbl.gov">mhsherman@lbl.gov</a></p>	<ol style="list-style-type: none"> <li>1 62.2: ASHRAE's Residential Ventilation Standard</li> <li>2 Dr. Duct Tape</li> <li>3 The Dark Side of ASHRAE: What is It and Why is It Changing?</li> <li>4 Ventilation: The Once and Future King</li> </ol>	None	7/1/2004	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Peter Simmonds, Ph.D.</b> IBE Consulting Engineers Riverside Drive Suite 201 Sherman Oaks, CA 91423 Tel: (818) 377-8220 Email <a href="mailto:peter.simmonds@ibece.net">peter.simmonds@ibece.net</a>	1 Designing Comfortable Buildings 2 High Performance Buildings and Occupant Comfort 3 Radiant Systems for Occupant Comfort	None	7/1/2011	English
<b>Wei Sun, P.E.</b> Engsysco, Inc. 2424 Parkside Drive Ann Arbor, MI 48105 Tel: (734) 678-9718 Email <a href="mailto:wsun@engsysco.com">wsun@engsysco.com</a>	1 Cleanrooms and HVAC Systems Design Fundamentals 2 Design Practices of Pressurization Systems – Technologies in Suite Pressure Control & Performance Modeling 3 Fan Energy Conservation in Cleanrooms – Airflow Modeling and Demand Flow Control 4 HVAC Systems Design for Airborne Infection Control Spaces in Healthcare Facilities 5 Laboratories and HVAC Systems Design Fundamentals 6 Primary, Secondary & Tertiary Air Handling Systems Design Strategies for Controlled Environments	None	7/1/2009	English
<b>E. Mitchell Swann, P.E.</b> MDC Systems, LLC 37 North Valley Road 3 Station Square - Suite 100 Paoli, PA 19301 Tel: (610) 640-9600, X19 Email <a href="mailto:swann@mdcsystems.com">swann@mdcsystems.com</a>	1 “Can’t We All Just Get Along?” – Keeping Your Eye on the Prize Despite Getting Poked in it (Alternative Dispute Resolution in Construction) 2 Design Build – Executing the Project (based on the ASHRAE Design Build Survival Guide) 3 Design Build for Green Buildings – Integrated Delivery of an Integrated Idea 4 Green Design and Sustainability – Un-definable Success in a Defined World	Negotiable	7/1/2005	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<p><b>James R. Tauby, P.E.</b>  Mason Industries, Inc.  350 Rabro Drive  Hauppauge, NY 11788  Tel: (631) 348-0282  Email <a href="mailto:jtauby@mason-ind.com">jtauby@mason-ind.com</a></p>	<p>1 Penthouse Mechanical Rooms, Why are They Seismically a Challenge?  2 Proper Installation Methods Using ASHRAE's "Practical Guide to Seismic Restraint"  3 Restraint of Rooftop Equipment for High Wind Areas  4 Seismic Restraint of Mechanical Systems</p>	None	7/1/2010	English
<p><b>Kecha Thirakomen, P.E.</b>  EEC Engineering Network Co. Ltd.  28th Floor Fortune Tower Building  1 Rama IX Int  Ratchadaphisek Road Dindaeng District  Bangkok 10400  THAILAND  Tel: 6626421200  Email <a href="mailto:kecha_tr@eec.co.th">kecha_tr@eec.co.th</a></p>	<p>1 Combined Cooling &amp; Power System Feasibility  2 OAU Dehumidification System Selection</p>	None	7/1/2010	English
<p><b>Terry E. Townsend, P.E.</b>  Townsend Engineering, Inc.  P.O. Box 23526  Chattanooga, TN 37422  Tel: (423) 855-1184  Email <a href="mailto:terry@townsend-engineering.com">terry@townsend-engineering.com</a></p>	<p>1 Advanced Energy Conservation &amp; IEQ Design Guidance &amp; Applications  2 ASHRAE: Leading the World to an Independent &amp; Sustainable Future  3 Building Performance – Tools, Metrics &amp; Protocols for Global Applications  4 Sustainable Applications That Work</p>	None	7/1/2008	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Vincent K.C. Tse, C.Eng.</b> Parsons Brinckerhoff (Asia) Ltd. 7/F, One Kowloon 1 Wang Yuen Street Kowloon Bay HONG KONG Tel: (852) 9309-4599 Email <a href="mailto:tse.vincent@pbworld.com">tse.vincent@pbworld.com</a>	1 Application for Fire Engineering Approach in Building Fire Safety Design 2 Building Energy Management and Implementation 3 CFD Application in HVAC System and Building System Design 4 District Cooling (DCS) Technology in Asia 5 Hospital and Research Facilities Projects 6 Mega and Super-High Rise Projects	None	7/1/2003	English
<b>Ronald P. Vallort, P.E.</b> Ron Vallort and Associates, Ltd. 502 Forest Mews Drive Oak Brook, IL 60523 Tel: (630) 734-3821 Email <a href="mailto:ronvallort@aol.com">ronvallort@aol.com</a>	1 All About ASHRAE 2 Construction Features of Refrigerated Spaces 3 Design Details of Refrigerated Buildings 4 HVAC Energy Planning for Tomorrow, While Building for Today 5 Mistakes in Planning and Remodeling Your Meat Processing Plant 6 Project Management and Design of a Food Processing Plant 7 Project Management and Design of a Refrigerated Warehouse 8 Refrigeration and the Cold Chain in the Future (Suitable for non-technical and technical audiences) 9 Refrigeration Load Calculations 10 Refrigeration System Design 11 Refrigeration: Technology for Survival (Suitable for non-technical and technical audiences) 12 The Future of Refrigeration 13 The Value of ASHRAE and Other Professional Organizations in the Building Industry	None	7/1/2005	English
<b>R. Vijayakumar, Ph.D.</b> Aerfil, LLC P.O. Box 41 Liverpool, NY 13088 Tel: (315) 506-6883 Email <a href="mailto:vijay@aerfil.com">vijay@aerfil.com</a>	1 Basics of Cleanroom Design 2 Fibrous Filter Media 3 Fundamentals of High Efficiency Air Filters - Theory & Practice 4 Introduction to Particle Measurements 5 Introduction to Particle Mechanics 6 Testing High Efficiency Filters	None	7/1/2010	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<b>Thomas E. Werkema, Jr.</b> Arkema, Inc. 2000 Market Street Philadelphia, PA 19103 Tel: (215) 419-7851 Email <a href="mailto:tom.werkema@arkema.com">tom.werkema@arkema.com</a>	1 Also available to speak on the ASHRAE Board of Directors highlights and activities. 2 Climate Change 3 International Fora, Domestic Implementation, Politics & Science 4 Ozone Depletion	None	7/1/2001	English
<b>Ronald J. Wilkinson, P.E.</b> AKF Engineers, LLP 1501 Broadway Suite 700 New York, NY 10036 Tel: (646) 720-9895 Email <a href="mailto:wilkinson@akf-eng.com">wilkinson@akf-eng.com</a>	1 Buying or Selling – The Nuts & Bolts of Commissioning 2 Commissioning Green Building for the USGBC LEED Program 3 Commissioning History & News from the USA & the World 4 The Six Killer Questions About Commissioning – Make Them Work for You 5 You be the CA! Managing & Commissioning Project	Variable - Contact speaker (\$200 – 1 hour, \$1200 – 1 day seminar)	7/1/2002	English
<b>Verle A. Williams, P.E.</b> Utility Services Unlimited 8975 Lawrence Welk Drive Spc 459 Escondido, CA 92026 Tel: (858) 967-8375 Email <a href="mailto:verleawilliams@gmail.com">verleawilliams@gmail.com</a>	1 "Virtual " Central Chiller Plant 2 Automatic Controls, Basics to Commissioning 3 Central Chiller Plants Turn up Gold 4 Improving Energy Efficiency in K-12 Schools-District Wide 5 Using Your Control System to aid in Commissioning Central Plants & Complex HVAC Systems	None	7/1/2001	English

NAME	TOPICS	HONORARIUM	BEGINNING TERM	LANGUAGES
<p><b>Gildardo Yanez, P.E.</b>  Refrigerantes Tlalnepantla SA de CV  Otumba #14  Colonia La Loma  Tlalnepantla 54080  MEXICO  Tel: (52) 53982105 ext. 106  Email <a href="mailto:ingeniero@prodigymovil.com">ingeniero@prodigymovil.com</a></p>	<ol style="list-style-type: none"> <li>1 Cleaning a Refrigeration System After a Compressor Burnout</li> <li>2 Diagnosing Refrigeration Compressor Mechanical Failures</li> <li>3 R-22 Substitutes</li> <li>4 Refrigeration Compressor Mechanical Failures</li> </ol>	None	7/1/2008	English Spanish
<p><b>Jerry K.H. Yang, Ph.D.</b>  Sun Yat-Sen University  6F2, No. 303 Sintien Road  ChienTsin District  Kaohsiung 801  TAIWAN  Tel: +886 920028819  Email <a href="mailto:jerry2709@gmail.com">jerry2709@gmail.com</a></p>	<ol style="list-style-type: none"> <li>1 Design Analysis of Smoke Management and Egress Systems in Malls, Atria, and Large Spaces</li> <li>2 Design Analysis on Tunnel Ventilation under Emergency Operation Modes</li> <li>3 Energy Auditing and Diagnostics in Existing Commercial Buildings Using BEMS, and residential buildings using HEMS</li> <li>4 The Green HVAC Concept--HVAC System Renovation in Existing Buildings</li> </ol>	None	7/1/2011	English Chinese