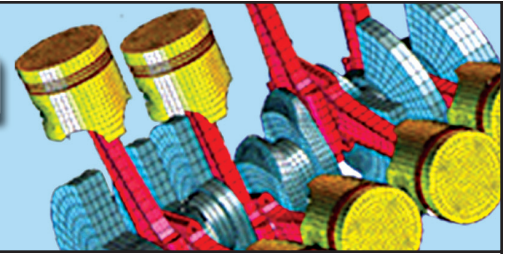


Internal Combustion Engine



Chair's Message (Summer 2006 Edition)

Andrew Pope



As your new Internal Combustion Engine (ICE) Division chairman, I bring to you a very diverse background of experience. I started my engineering career with Cummins

Engine Company as a service engineer. I then went to work for Cooper Energy Services as project engineer/new products engineer. I then worked on the component supplier side, working for National Forge Company as a liaison engineer. Leaving National Forge I then worked as a consultant for an engine component supplier. I am currently working with several forging companies to help promote the sales of their engine components. In my free time I am the president of JEM Manufacturing, Inc. which is a small wood components manufacturer.

You are probably wondering what all of this has to do with the ICE Division. I wanted to illustrate to you that there are people with very diverse backgrounds that find a common interest in the ICE Division. I have been involved with this organization since 1991 and have found it to be very rewarding. It has been like a fraternity or sorority, a group of professionals that you can call on to help you resolve a problem or just to socialize (our ever-popular hospitality suite is a good example). This organization has allowed me the opportunity to associate with people from all over the world who have a common interest in internal combustion engines.

I recently had the opportunity to attend the first ASME Leadership Training Conference (LTC) that was held from March 3-5 in Houston. The LTC has replaced the Technology Executives Conference (TEC) and the regionally based Management

Training Seminars (MTS) as the primary venue for volunteer leadership training.

The primary purpose of the LTC was to provide the unit leaders with a comprehensive view of the Society's organization, activities and resources to help them succeed in leading their ASME units. An emphasis was made to create opportunities for the delegates to network with each other, the ASME leaders in attendance as well as the ASME staff. The intent was to better enable the exchange of ideas that may lead to changes in Society operations consistent with ongoing changes in the engineering workplace.

We are all aware of the changes that are taking place within ASME to help it better serve its members and society. ASME has reorganized its framework, in response to a rapidly changing global technological environment, but its Mission and Core Values remain constant. *Our Mission: To promote and enhance the technical competency and professional well-being of our members, and through quality programs and activities*

Editor: Suri Rajan

Outgoing Chairman's Message	2
Stuart Neill Joins Executive Committee	2
ICE's 2006 Spring Technical Conference Resumé	3
Spring 2007 ICE Meeting to be held in Pueblo, Colorado March 13-16, 2007	4
Board of Associates 2006 - 2007	4
New Board of Associates 2006 - 2007	4
Spring 2007 Pueblo, Colorado Conference Highlights and Call for papers	5
Technical Committee and Activities 2006-07	6
2006 - 2007 Executive Committee Members	6

in mechanical engineering, better enable its practitioners to contribute to the well-being of humankind. Five key strategic objectives have been developed from this mission:

Industry – Strengthen our relationships with industry by bringing industry customers into the center of our product and service identification

Globalization – Understanding the needs of industry customers and members in growing areas outside the United States

Early Career Engineers – Become indispensable to early career engineers by providing technical information, resources and career development services

continued on page two

Fall 2006 ICE Meeting to be held in Sacramento, California, November 6-8, 2006

Tim Callahan

The Fall ICE meeting will be held at the Sheraton Grand Hotel in Sacramento, California. The conference will be hosted by Union Pacific Railroad. The combination of pending emission regulations for locomotives, a conference host from the rail industry, and the California venue promise to make the conference a major attraction to the locomotive industry. Also included in the program will be the latest from the ARES-ARICE natural gas engine programs.

Union Pacific will host the technical tour at their Roseville facility in conjunction with the technical meeting. Tour participants will have an opportunity to see various diesel-electric locomotives in process of being inspected and repaired, a 2006-model EPA Tier 2 locomotive, prototype low emission switcher locomotives, and prototype installation of exhaust collector and emissions treatment systems. ▶

Outgoing Chairman's Message Neil X. Blythe

I was fishing the other day, when it occurred to me that it had been a long time since I'd been fishing. It seems I never have time to fish anymore, which is a shame because I love to do it. As a single parent, there is not much time for leisure activity. Fifty to sixty hours of work per week, and maintaining the house and family leaves precious little time for my much needed beauty sleep, let alone fishing. However, I do manage to squeeze a little time in for volunteer work.

It started with the kids. It seemed like just about every activity I signed the kids up for required 40 hours a week of my personal time. It was always the same...the lead organizer would bring all the kids into a room and put them in front of all the parents, then proceed to describe all of the fun activities the kids would enjoy throughout the year, complete with slide show and theme music. Just when expectations peak, they drop the bomb... "However, unless we can get a few parents to step forward and volunteer as leaders, the entire organization will fold, and our children will be forced to resort to a life of crime and drug abuse." For some reason,

the other parents didn't seem bothered by the suggested alternative lifestyle for their children.

Before long, I was selling beer at summer socials to raise money for my church and strong arming co-workers into applying for home equity loans so they could buy Girl Scout cookies. Eventually, I became pretty good at running the slide projector and playing the theme music, explaining how horrible life would be without a few volunteers. I discovered that I was pretty good at most of these jobs and derived a great sense of personal satisfaction knowing I was working for a good cause. Not only that, but with every activity I volunteered for, I always came away with some newfound skill, knowledge or friendship.

Serving as your Chairman for the last year wasn't much different. While I was greatly honored by the request to serve, I selfishly accepted, knowing I would get a lot more out of it than I had to put in. Sure, I had to give up some fishing, but the opportunity to be part of, and eventually lead, such a well-renown organization was worth it. Therefore, many thanks are in order.

Thanks to the ASME-ICED Executive Committee, both past and present; past for their confidence in me and present

for all their hard work that made my job so easy. Thanks to the Technical and Administrative Committee Chairpersons for their leadership, dedication and hard work. Thanks to all of the Division Associates, who primarily fill the job of session organizers and paper reviewers. Thanks to ASME headquarters and staff personnel who keep the division on the straight and narrow. And thanks to all those who selfishly volunteer for various committees or assignments for personal gain. While it has been a lot of work, the pay has been spectacular. But if you will excuse me now, I think I just heard a fish jump. ▶



Stuart Neill Joins Executive Committee



Stuart Neill is the incoming member to the ICED Executive Committee. He is employed as a Senior Research Officer at the Institute for Chemical Process and Environmental Technology of the National Research Council Canada. His research interests include fuels and fuel blending components derived from the Canadian oil sands and renewable sources, as well as fuel effects on diesel and low temperature combustion and emissions. Previously, he worked for the R&D Branch of the Canadian Department of National Defense on diesel engine performance, machinery condition monitoring, and underwater radiated noise from warships.

Mr. Neill received his B.A.Sc. and M.Eng degrees from the University of Waterloo (1983) and McGill University (1989), respectively. His Master's research involved the development of a novel thin gold film technique for taking local natural convection heat transfer measurements.

Mr. Neill has been an active member of ASME-ICED since 2000 in numerous capacities including authoring and reviewing technical papers, organizing conference sessions, chairing the "Fuels and Combustion" technical committee, and participating in the ICE award committee. In September 2005, Mr. Neill was local host of the Fall Technical Conference in Ottawa, Ontario, Canada.

Commenting upon his recent appointment, Mr. Neill said "I am extremely honored to be selected to join the Executive Committee and look forward to the challenge of enhancing our organization's impressive reputation for technical excellence to address the challenges facing the internal combustion engine community for the benefit of society. I promise to work with my colleagues to attract the brightest engineers and scientists worldwide in our field to our conferences to share their technical knowledge and experiences, while having a whole lot of fun at the same time." ▶

Chair's Message – continued from page one

Government – Strengthen our relationships with governments as customers and as shapers of key policies impacting ASME

New Revenues – Grow revenue through new products and global growth

The ICE Division has already begun to address some of these issues. We are currently looking at ways to attract more end users to our conferences which will help bring more relevance and service to the industry. We have had several off-shore conferences that have broadened our global presence. We know that the future of our division is dependent upon nurturing its younger members. With this in mind we have started looking at ways to increase our student activities and to attract more young members. Our division has also been involved with government relations and has helped with the policy-making process. As with most other divisions, the ICE division continues to try to find new ways to generate revenue. One method we have reincorporated is the use of table top displays at our conferences.

I would like to ask for the support of our executive committee and associates to continue to work together to meet our objectives and more important, as Greg Gutoski once said, "Come join the fun - We Got a Good Thing Going!"

Get involved you won't regret it. ▶

ICE's 2006 Spring Technical Conference Resumé **Herbert J. Joka, Aachen, Germany.**

Aachen, Germany was the location of the second ASME ICED European Spring Technical Conference. Aachen, with its more than two millennia of history linked back to the Roman empire, is home of one of the world leading independent engine developers, FEV.

FEV Engine Technology, which is involved in the development of large bore engines in the US and Europe, served as the conference host.

With FEV's organizational and logistical support, it turned out to be a good choice. FEV's Marketing department insured that every detail of the conference was in place, enabling the 130 conference delegates to enjoy the technical sessions, social gatherings and networking opportunities in a very welcoming environment. Between the lectures and plenary sessions, it definitely was a market for information and news.

Neil Blythe, Conference Chairman, said "For me it was very interesting to experience the approach taken by our Aachen host. Besides the logistics of the technical program, they made sure the social events were just as enjoyable. This gave the conference a very warm and personal atmosphere. Just to mention one highlight, the conference dinner was held in the old city hall, in which Charlemagne and his successors ruled Europe for several centuries." The mayor of Aachen, Ms. Hilde Scheid, gave the welcome address, showing traditional Aachen hospitality and providing the group with some of the rich history of the city.

The 2006 Aachen conference was intended to give ASME's activities in Germany and Europe "greater international visibility and intensify the exchange of ideas from our global community", as Neil Blythe put it. ICED continues to pursue other ideas and venues to this purpose.

Professor Dr.-Ing. Stefan Pischinger, CEO and president of FEV, as well as director of the Institute of Combustion Engines at the Aachen University of Technology gave the keynote address, highlighting topics that drive the development and market of engines. He identified the four major corner stones of the playing field for the future as the reduction of fuel consumption, shorter development time combined with reduced cost, the dynamic demand

and specific needs of the market, being linked with the emission legislation varying over the different global regions and countries. So, a highly demanding development trend with rapidly increasing complexity in engine technology, including Diesel and Gasoline Engines, alternative fuels as well as transmission and hybrid, is on the agenda in the future. These demanding issues require greater utilization of modeling and simulation tools.

The main technical tracks of the conference were End Use Operations and Maintenance, Advancements in Engine and Emission Technology, Application of Emissions Technologies, Fuels and Combustion, Engine Design and Analysis, Lubrication and Friction as well as Instrumentation and Controls so that it definitely was a 360° view of the industry. The lectures and discussions allowed participants to really dig deep into the present knowledge base and provided excellent access to state-of-the-art technology of engine related fields. Also leading edge technologies, prototype studies as well as applicable scientific research results were presented, providing an excellent window into the future of engine technologies.



ICED Chairman Neil Blythe Thanks the Mayor of Aachen Ms. Hilde Scheid for her delightful Speech at the Conference.

Among those subjects, for instance was an X-Ray-based analysis project, developed at the Argonne Laboratory in Chicago. This presentation described a method to view the combustion chamber during engine operation. With this technology, it is possible to precisely measure the fuel spray as a function of time, relative to x,y,z-coordinates. Thus, it allows acquiring complete 3D-data for better modeling and simulation, allowing faster and more efficient component design. The time and locus resolution applied represents a real leap forward for the engineers. ▶



Keynote Speaker Dr.-Ing. Stefan Pischinger addresses the Conference



Anne Wittstamm from FEV Motorentechnik GmbH receives a Local Arrangements Award from Abnash Narula



Enjoying dinner with local hosts



Aachen conference attendees during social hour

Spring 2007 ICE Meeting to be held in Pueblo, Colorado March 13-16, 2007

Tim Callahan

The ASME ICE executive committee is continually seeking opportunities to enhance the value of the technical meetings to attendees and to encourage new membership and participation. Several recent initiatives have included holding conferences overseas once every three years, active participation with CIMAC, and joint conferences with the Tribology Division and the Power

Divisions. Spring 2007 presents two opportunities for such collaborative meetings.

The Spring ICE meeting will be held jointly with the ASME Rail Transportation Division and IEEE in Pueblo, Colorado on March 13-16, 2007. The meeting will be hosted by the Transportation Technology Center, Inc. (TTCI), a subsidiary of the Association of American Railroads. Naturally,

the focus of this meeting will be technologies pertaining to the locomotive industry including advanced engine technologies for efficiency improvements and emissions reductions, emission after treatment technologies, lubrication and friction, fuels and combustion, fuel injection, alternative fuels, turbo-charging, engine simulation and diagnostics, and engine design. Please note that the meeting dates fall on Wednesday, Thursday, and Friday, and varies from the ICE traditional model of meeting on Monday and Tuesday. Additional information on the schedule for the conference will be posted on the ICE web site at: <http://divisions.asme.org/ice/>

The ASME ICE Division is also actively supporting the CIMAC Congress to be held on May 21-24, 2007 in Vienna, Austria. ASME participation includes organizing and chairing sessions, and technical paper review. Additional information about the CIMAC Congress can be found at www.cimac.com. ▶

Board of Associates 2006-2007

Associates

Dr. Duane L. Abata	John C. Hedrick
Dr. Frank W. Aboujaoude	Martin J. Heimrich
Dr. Wole C. Akinyemi	Dr. Na'im A. Henein
Dr. Emad Amin	Dr. Phillip Hill
Alan C. Anderson	Dennis E. Hurst
Dr. Susumu Ariga	Joseph M. Kane
Dr. Dennis N. Assanis	Dr. Ghazi Karim
Dr. Dennis L. Bachelder	Edward P. Kelleher
Dr. Eric N. Balles	Jochen E. Kindling
Dr. Reda M. Bata	Dr. Allan T. Kirkpatrick
Dr. Stuart R. Bell	Dr. Jacob Klimstra
Kelly J. Benson	Dr. Song-Chang Kong
Neil X. Blythe	Domenico Laforgia
Dr. Anatoli Borissov	Dr. Ming-Chia Lai
Richard D. Brody	Dr. Hailin Li
Theodore L. Bronson, III	Bill Liss
Keith Brooks	James J. McCoy, Jr.
Timothy J. Callahan	Mark McNeely
G. Richard Cataldi	Dr. Mohamad Metghalchi
Dr. Jerald A. Caton	Dr. Clark Midriff
Dr. Kirby S. Chapman	B. L. Mikkelsen
Dr. Gong Chen	Robert L. Miller
Cary M. Chenanda	Dr. Razi Nalim
Bruce Chrisman	Abnash C. Narula
Dr. Stephen A. Ciatti	W. Stuart Neill
William B. Clary	Don Newburry
James J. Cole	Lynn D. Palmer
Dr. Roger L. Cole	Malcolm Payne
Kevin R. Downes	Dr. Gordon R. Pennock
Ronald J. Duda	Dr. Ramesh B. Poola
Dr. Mikhail A. Ejakov	Andrew J. Pope
Dr. Robert L. Evans	Dr. Suri Rajan
David B. Field	Ed O. Reinbold
Dr. Zoran S. Filipi	Dr. Dan E. Richardson
Dr. Paul L. Flynn	Robert L. Rowan, Jr.
Charles F. French	Bradley J. Schelske
Steven G. Fritz	Raj Sekar
James H. Garrett	J. Vincent Serve'
William C. Geary	Dr. Tariq Shamim
Michael Gron	Dr. Rameshwar Prasad Sharma
Gerald Grosshans	Dr. Roger Sirens
Michael A. Gula	Thomas M. (Mac) Sine
Dr. Mahesh Gundappa	Dr. Hakan S. Soyhan
Greg Gutoski	Robert W. Stachowicz
Christian Haller	Dr. Rudy Stanglmaier
Harold L. Harris	Ted E. Stewart
	Van T. Stonehocker

Dr. Michael P. Thompson
Jon K. Tice
Jennifer Topinka
Ezio Treglia
Dr. Ferdinand Trenc
Dr. Basil Ubanwa
Terry L. Ullman
Dr. Teoman Uzkan
Jacques van Oppen
James M. Vogt
John C. Vronay
James F. Wakenell
Rick Walker
L. Brian Wilcox
Dr. Bryan Willson
Dr. Victor W. Wong
Dr. Margaret Wooldridge
Dr. Lisheng Yang
Dr. Houshun Zhang
George Zitka III, PE

Senior Associates

Charles A. Ankrum
John M. Bailey
Joseph R. Barcroft
Thomas F. Carr
John M. Clarke
Paul R. Danyluk
Stephen G. Dexter
Dr. Samuel Doughty
Peter C. Enslin
Karl T. Geoca
Dr. Madan R. Goyal
Dr. David L. Harrington
Melvin J. Helmich
Joseph W. Hibbard
Gaylord E. Hold
J. Bruce Ingold
Eugene Kasel
Richard D. Kieser
Carl L. McClung
A. H. (Tony) Siegel
Karl J. Springer
Dr. P. K. Subramanyan
Walter R. Taber, Jr.
Hugh A. Williams, Jr.

New Board of Associates Members, 2006 – 2007

The ICE Board of Associates welcomes seven new members from industry and academia. It is growing stronger every year. The first six members were also announced previously in the Spring 2006 Newsletter.

Dr. Stephen A. Ciatti
Research Engineer, Center of Transportation Research
Argonne National Laboratory

Dr. Song-Chang Kong
Assistant Professor, Mechanical Engineering
Iowa State University

Mr. Donald M. Newburry
Chief Program Engineer
Miratech Corporation, Tulsa, OK

Mr. Lynn D. Palmer
Chief Program Engineer
Ricardo Inc., Illinois

Dr. Rudolf H. Stanglmaier
Assistant Professor, Mechanical Engineering
Colorado State University

Dr. Margaret S. Wooldridge
Associate Professor, Mechanical Engineering
University of Michigan

Ms. Jennifer A. Topinka
Mechanical Engineer, Diesel Emissions Program
GE Global Research, Niskayuna, NY



Call For Papers

ASME Internal Combustion Engine Division

2007 Spring Technical Conference

March 13–16, 2007 • Pueblo, Colorado

<http://divisions.asme.org/ice/>



Co-located with the ASME Joint Rail Conference
A Multi-Disciplinary Engineering Event Sponsored in Partnership by the
ASME Rail Transportation Division • American Society of Civil Engineers • Land Transportation Division of the IEEE

ASME-ICE Division invites technical papers for oral presentation and publication in the conference proceedings on topics related to design, application, maintenance, and service of internal combustion engines powered by liquid and/or gaseous, renewable/petroleum based fuels. The theme of the co-located Joint Rail Conference (JRC) is “Railroad Advancements through Civil, Electrical and Mechanical Engineering.” End-users, engine manufacturers, engine consulting companies, non-profit organizations, and academic institutes are highly encouraged to participate, present, publish, and profit from the latest industry trends. The conference will begin with a technical tour of the Transportation Technology Center, Inc. (TTCI is a wholly owned subsidiary of the AAR).

Technical sessions will address practical in-use applications to fundamental research. Examples of topics include, but are not limited to:

- Advanced Engine Technologies
- Engine Efficiency Improvements
- Turbochargers
- Emission Reduction Technologies
- Engine After Treatment Systems
- Instrumentation, Control and Monitoring
- Fuels and Combustion
- Fuel Injection Sprays
- Alternate Fuels
- Lubrication & Friction
- Component Materials, Dynamics and Wear
- Engine Simulation and Diagnostics
- Engine Design and Modeling

All accepted papers that are presented at the conference would be published in the Conference Proceedings, which will be available at the conference. Papers of outstanding technical quality will be considered for the Journal of Engineering for Gas Turbines and Power. Exceptional written papers and presentations will be considered for ASME ICE Division Conference awards. ASME paper review and publication policies will apply. **No presentations will be accepted without a written and approved paper and no paper will be published without being presented.**

Advanced Conference Registration is required for lead authors, before final acceptance of a paper for publication.

Publication Schedule

For specific details and questions regarding submission of papers, please contact Ramesh Poola at rpoola@gmail.com

- Submission of Abstracts
November 1, 2006
- Author Notification of Abstract Acceptance
November 5, 2006
- Submission of Full-Length Draft Paper for Review
December 1, 2006
- Author Paper Review Complete and/or Acceptance Notification
January 2, 2007
- Submission of Final Paper and Required Forms for Publication
February 1, 2007

Exhibits/Sponsors

Exhibit Opportunity - Table-Top Display:

What better way to promote your company name and products or services to the engine and rail communities than to sponsor a table-top exhibit at the Conference. The cost for the display space is \$100 per foot of table space requested. For more information contact: Nick Darien at ndarien@ctlgroup.com.

Luncheon Sponsors:

Sponsorship opportunities are also available for the conference reception and luncheon. Donations of \$150 are requested, and each company contributing will be acknowledged at the luncheon and in the ASME RTD Newsletter. For more information contact: Monique Stewart at Monique.stewart@fra.dot.gov.

Program Advertisements:

Business card size advertisements are being accepted for inclusion in the conference printed program at \$100 each. For more information contact: Nick Darien at ndarien@ctlgroup.com.

Technical Committees And Activities, 2006 - 2007

Advanced Technology

John C. Hedrick
Senior Research Engineer
Southwest Research Institute
6220 Culebra Road
P. O. Drawer 28510
San Antonio, TX 78228-0510
Ph. 210-522-2336
Fax: 210-522-2019
E-Mail: jhedrick@swri.org

End User Applications (Open)

Engine Design

Ronald J. Duda
President
Unlimited Design International, Inc.
4 Open Square Way, Suite 116
Holyoke, MA 01040
Cell Ph. 413-420-0025
Fax: 413-420-0027
Mobile: 413-221-0603
E-Mail: rduda@unlimiteddesigneng.com

Environment

Malcolm Payne
President
Engine Systems Development Centre
155 Montreal-Toronto Highway
Lachine, Quebec H8S 1B4
Canada
Ph. 514-634-7700, Ext. 102
Fax: 514-634-3932
E-Mail: m.payne@esdc.com

Fuels and Combustion

Stephen A. Ciatti, Ph. D.
Research Engineer
Center for Transportation Research
Argonne National Laboratory
9700 S. Cass Ave., Bldg. 362
Argonne, IL 60439
Ph. 630 252-5635
Fax: 630 252-3443
E-Mail: sciatti@anl.gov

Co. Chair

Jennifer A. Topinka
Mechanical Engineer
Propulsion Systems Laboratory
General Electric Company
Building ES, Room 122,
One Research Circle
Niskayuna, NY 12309
Ph. 518-387-4677
Fax: 518-387-7258
E-Mail: Topinka@research.ge.com

Instrumentation & Controls

Keith Brooks, PE
OEM Sales Manager
Altronic, Inc.
712 Trumbull Ave.
Girard, OH 44420
Ph. 330-545-9768
Fax: 330-545-9005
E-Mail: kbrooks@altronic.com

Lubrication & Friction

Dr. Dan E. Richardson
MC 50174
Technical Advisor
Cylinder System Development
Cummins Inc.
Box 3005
Columbus, IN 47202-3005
Ph. 812-377-4474
E-Mail: Dan.E.Richardson@cummins.com

Technical Awards Committee

Dr. Gerald A. Caton
Mechanical Engineering Department
Texas A. and M. University
College Station Texas 77843-3123
Ph. 979-845-4705
Fax: 979-682-2418
E-Mail: jcaton@mengr.tamu.edu

Associate Editors

Journal of Engineering for Gas Turbines & Power

Dr. James S. Cowart, Asst. Professor
Mechanical Engineering Dept.
U.S. Naval Academy
590 Holloway Road
Annapolis, MD 21402
Ph. 410-293-6515
Fax: 410-293-3041
E-Mail: cowart@usna.edu

Dr. Margaret S. Wooldridge
Associate Professor, Department of
Mechanical Engineering
University of Michigan

2350 Hayward Street
Ann Arbor, MI 48109
Ph.: 734-936-0349
Fax: 734-647-3170
E-Mail: mswool@umich.edu

Technical Papers Committee

Dr. Ramesh B. Poola
Senior Project Engineer
Electro-Motive Diesel Inc.
9301 West 55th Street
LaGrange, IL 60525
Ph. 708-387-3758
Fax 708-387-6164
E-Mail: ramesh.poola@gm.com

Administrative Committees And Activities

Group Operating Board Representative

Neil Blythe

Group Operating Board Alternate

Andrew Pope

Newsletter

Prof. Suri Rajan
Dept. of Mechanical Engineering and
Energy Processes
Southern Illinois University
Carbondale, IL 62901-6603
Ph. 618-453-7010
Fax: 618-453-7658
E-Mail: rajan@siu.edu

Paper Presentation Rating

Steven G. Fritz, PE
Principal Engineer
Gas and Large Engine Development
Dept. of Engine and Emissions
Research
Southwest Research Institute
6220 Culebra Road
P. O. Drawer 28510
San Antonio, TX 78228-0510
Ph. 210-522-3645
Fax: 210-522-3950
E-Mail: sfritz@swri.org

CIMAC U.S. National Member Group

Greg Gutoski, Chair
John Bendo, Secretary

Membership Development and Member Interests

Dr. Frank W. Aboujaoude
Special Projects Engineer
Fairbanks Morse Engine
701 White Avenue
Beloit, WI 53511
Ph. 608-364-8197
Fax: 608-364-8233
E-Mail: frank.aboujaoude@fairbanksmorse.com

Nominating

Terry L. Ullman
Assistant Director – Research
Dept. of Engine and Emissions Research
Southwest Research Institute
6220 Culebra Road
P. O. Drawer 28510
San Antonio, TX 78228-0518
Ph. 210-522-2654
Fax: 210-522-3950
E-Mail: tullman@swri.edu

Honors & Awards

Abnash C. Narula, PE
Manager of Engineering
Wm. W. Nugent & Co.
3440 Cleveland St.
Skokie, IL 60076-0948
Ph. 847-674-7782
Fax: 847-674-0379
E-Mail: a.narula@wvnugent.com

Meetings Coordinating

Andrew J. Pope

Publicity

Mark McNeely
Publisher and Editor
Diesel & Gas Turbine Worldwide
Diesel & Gas Turbine Publications
20855 Watertown Road
Waukesha, WI 53186-1873
Ph. 262-832-5113

Chair

Andrew J. Pope
Partner
A & A Enterprises
104 Sunset Lane
Russell, PA 16345
Ph. 814-757-8201
Fax 814-757-8201
E-Mail: ajpope@verizon.com

Vice-Chair, Tech. Programs

Dr. Kirby S. Chapman
Professor and Director
National Gas Machinery Lab.
Kansas State University
245 Levee Drive
Manhattan, KS 66502
Ph. 785-532-2319
Fax 785-532-3744
E-Mail: chapman@ksu.edu

Vice-Chair, Administration

Timothy J. Callahan
Principal Engineer
Southwest Research Institute
P.O. Drawer 28510
San Antonio, TX 78228-0510
Ph. 210-522-6890
Fax 210-522-2019
E-Mail: tcallahan@swri.edu

Fax: 262-832-5075
E-Mail: mmcneely@dieselpub.com

Operating Guide & By-Laws

Timothy J. Callahan
Principal Engineer
Gas and Large Engine Development
Dept. of Engine and Emissions
Research
Southwest Research Institute
6220 Culebra Road
P. O. Drawer 28510
San Antonio, TX 78228-0510
Ph. 210-522-6890
Fax: 210-522-2019
E-Mail: tcallahan@swri.org

Government Relations

Lynn D. Palmer
Chief Program Engineer
Ricardo, Inc.
7850 Grant Street
Burr Ridge, Illinois 60527.
Ph. 630 468 8760
Fax: 630 789 0127
E-Mail: lynn.palmer@ricardo.com

Lectures

Karl J. Springer, PE
15614 Dove Meadow
San Antonio, TX 78248-1715
Ph. 210-493-7279
E-Mail: AnnKarl@stic.net

Internal Combustion Engine Award

Raj Sekar
Center for Transportation Research
Argonne National Laboratory
9700 S. Cass Ave., Bldg. 362
Argonne, IL 60439
Ph. 630-252-5101
Fax. 630-252-3443
E-Mail: rsekar@anl.gov
Honda Medal Committee Representative

Steven G. Fritz, PE
Principal Engineer
Gas and Large Engine Development
Dept. of Engine and Emissions Research
Southwest Research Institute
6220 Culebra Road
P. O. Drawer 28510
San Antonio, TX 78228-0510
Ph. 210-522-3645
Fax: 210-522-3950
E-Mail: sfritz@swri.org

Westinghouse Medals Committee Rep.

Abnash Narula

Long Range Planning

Andrew J. Pope

History and Heritage Liaison

Melvin J. Helmich
Technical Director
HELMARK
P. O. Box 493
Mount Vernon, OH 43050-0493
Ph. 740-397-5323
Fax 740-397-5323
E-Mail: mhelmich@columbus.rr.com
Student Activities
Dr. Kirby S. Chapman

Staff

John Bendo
Senior Manager, Engineering Programs
ASME International, 22W3
Three Park Avenue
New York, N.Y. 10016-5990
Ph. 212-591-7055
Fax: 212-591-7671
E-Mail: Bendo@asme.org

Executive Committee 2006 – 2007

Assistant Vice-Chair, Technical Programs

Dr. Ramesh B. Poola
1001 Steps, LLC
89 Redstart Road
Naperville, IL 60565
Ph. 630-452-1825
E-Mail: rpoola@gmail.com

Assistant Vice-Chair, Administration

Dr. Frank W. Aboujaoude
Special Projects Engineer
Fairbanks Morse Engine
701 White Avenue
Beloit, WI 53511
Ph. 608-364-8197
Fax. 608-364-8233
E-Mail: frank.aboujaoude@fairbanksmorse.com

New Member, Technical Programs

W. Stuart Neill
Research Officer
National Research Council Canada
Institute for Chemical Process &
Environmental Technology, Bldg. M-9
1200 Montreal Road
Ottawa ON K1A 0R6 CANADA
Ph. 613-990-2408
Fax 613-957-7869
E-Mail: stuart.neill@nrc-cnrc.ca

Secretary

James H. Garrett, PE
Garrett Technical Services
1731 Fawn Gate
San Antonio, TX 78248-1326
Ph. 210-493-7738
Fax 210-493-6203
E-Mail: jgarr8907@aol.com

Treasurer

Dr. Victor W. Wong
Mgr., Sloan Automotive Laboratory
Massachusetts Institute of
Technology
31-155, MIT
Cambridge, MA 02139
Ph. 617-253-5231
Fax 617-253-9453
E-Mail: vwong@mit.edu

Past Chair

Neil X. Blythe
Lead Development Engineer
GE Transportation
2901 East Lake Road
Erie, PA 16531
Ph. 814-875-3983
Fax 201-328-3228
E-Mail: neil.blythe@ge.com