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Forest R. McFarland Award

2010 Recipients

Name	Employer at Date of Award	Notes
Dr Ramesh K Agarwal	Washington Univ St Louis	<p>Professor Agarwal has served SAE in several leadership roles for past 15 years. He has been a member of SAE Aerodynamics Committee since 1994, serving as Vice-Chair (1997-99) and Chair (1999-2003). He was instrumental in organizing many high quality technical sessions in the area of CFD, Aerodynamics, and Icing by inviting nationally recognized technical leaders to present papers at SAE General Aviation and AeroTech Conferences. He is serving as a member of Wright Brothers Medal committee since 2006 and has been its Chair since 2008. He has been recently appointed to serve as a member of Fellow grade selection committee. He has been a regular reviewer of manuscripts for many years and has served as a reviewer for SAE Transactions. His recent activity is to provide consultation to students working on SAE Formula Race Car to design for sustainability using E85 Ethanol blend. He has been selected to deliver the William Littlewood Award lecture on "Sustainable Green Aviation" at the</p>
Willem Anemaat	DARcorporation	<p>Mr Anemaat was the Technical Chairman of the 2008 WATC. He did outstanding work as an SAE volunteer to recruit all technical session organizers and was the actual session organizer for several of the individual technical sessions. Attendance at this event was above expectations. To a large extent this high attendance was due to the expected value of the material presented at the technical sessions. The SAE grading of the majority of the technical sessions was well above average.</p>

Bill Atwell	The Boeing Company	<p>In 2008, Bill Atwell organized and co-chaired the Radiation Issues for Space Flight session at SAE International Conference on Environmental Systems (ICES). He also published two technical papers the same year. In addition, Bill assisted in AIAA Life Sciences & Systems committee work in support of SAE ICES 2008. Bill has been an active member and mentor of PhD students for the ICES Conference. He is last year's recipient of the ICES Award, an award devoted to ICES Conference attendees who show true dedication and leadership to support the event and also the industry they serve.</p>
Matthew Brach	Brach Engineering	<p>Dr. R. Matthew Brach is being recognized for his significant contribution to SAE Professional Development through his role as a seminar instructor. Dr. Brach has been the co-instructor for the seminar, Vehicle Accident Reconstruction Methods since 2004, assisting over 200 people in achieving a high level understanding of engineering, scientific, and mathematical principles and methods used to reconstruct vehicular accidents. Dr. Brach receives excellent evaluations and is recognized by the seminar participants as an instructor who takes the time to answer all questions thoroughly. Dr. Brach has also served as a technical consultant to the professional development staff in identifying other safety related seminar topics and potential instructors to enhance the safety related curriculum. In addition to his Professional Development activities, Dr. Brach is an active member of the SAE LSG Occupant Protection Committee and has been one of the Session Organizers for Accident Reconstruction sessions for SAE World Congress since 2006. He is currently the Committee's Vice Chair. Dr. Brach is a diligent Session Organizer who meets deadlines and takes extra time to assist many authors in getting their papers through the peer-review process for</p>

Dr Raymond M Brach

Univ of Notre Dame

publication. Dr. Brach also participated with SAE as member of the now sunset Reader's Committee as an SAE Transactions (now called SAE Journal) reviewer. He has also been an active participant on several Ground Vehicle Standards Committees since 1995 and is the coauthor of the book Vehicle Accident Analysis and Reconstruction Methods published by SAE International.

Dr. Raymond Brach is being recognized for his significant contribution to SAE Professional Development through his role as a seminar instructor. As the lead instructor for the seminar, Vehicle Accident Reconstruction Methods since 2004, Dr. Brach has assisted over 200 people in achieving a high level understanding of engineering, scientific, and mathematical principles and methods used to reconstruct vehicular accidents. Dr. Brach receives excellent evaluations, a true testament to his outstanding teaching methods and style. Dr. Brach has also served as a technical reviewer for other seminar proposals, providing expert assessment of topics and content. In addition to his contributions to SAE Professional Development, Dr. Brach is an active member of the SAE LSG Occupant Protection Committee and has been one of the Session Organizers for Accident Reconstruction sessions for the SAE World Congress since 2003. He is an excellent Session Organizer who meets deadlines and takes extra time to assist many authors through the peer-review process to get their papers published. Dr. Brach has also been an active participant on several Ground Vehicle Standards Committees since 1990. In addition to over 100 research papers and numerous invited lectures, he is the coauthor of the book Vehicle Accident Analysis and Reconstruction Methods published by SAE International.

Kevin F Brown

Engine Control Systems

Kevin received the Forest R. McFarland Award in 2002 partly for his contribution to organizing the Diesel Emissions Control sessions


with John Howitt. Since John's retirement Kevin has gone "sole" but the number of papers in Diesel Exhaust Emissions Control sessions continues to grow. In 2002 there were 35 papers, in 2007 there were 62 papers. Although Kevin has help from co-organizers he still maintains overall control of all these papers and personally co-organizes the new developments session which attracts one of the largest audiences of any session at Congress. Kevin is also Vice Chair of the Exhaust Aftertreatment and Emissions Committee and will take over as Chair in April 2008.

Louis J Brown Jr

Booz Allen Hamilton Inc

Lou Brown is recognized for his outstanding contributions to the annual SAE Government/Industry Meeting since 2002. His involvement began as a Member at Large in 2002. For the 2005 event, he represented the DC Section as Chair and served as the liaison to the general committee identifying areas where the section could assist during the event. In 2008, Lou stepped up as General Chair for the overall conference and sought additional recognition for Volkswagen by sponsoring the Congressional Directories. Last year, Lou led the special sessions sub-committee where he and his team were responsible for development of the plenary session and special luncheon and breakfast speakers. Lou has been an invaluable asset to the Government/Industry Meeting.

Debi Lynn Cohoon CEng

Ms. Cohoon was Chair of Engineering Meetings Board (EMB) from Jan 07-Jan 09 and Vice Chair of EMB Jan 05-Jan 07. As EMB Chair, she led the EMB toward Vision 2020 through strategic planning sessions and creating the EMB Map to SAE 2020 Vision. She worked with EMB and its Groups to identify gaps between the current and future state of EMB. She worked with EMB and its Groups to develop the EMB Customer Care System. Ms Cohoon was Chair of Continuing Professional Development Group (CPDG) Jan 05  Jan 06 and

Vice Chair of CPDG Mar 02⁰⁰ Jan 05. During her service on CPDG, she was one of the driving forces behind conceptualizing and crafting the Annual Engineer Training Survey, which tracks training trends among N. American automotive companies. She helped identify a number of key instructors and other subject matter experts for seminars and has been enormously helpful in pointing out technologies that warrant new course development. She also worked regularly to ensure that connections and relationships remained strong between SAE Professional Development and General Motors⁰⁴ Knowledge Center, a linkage that has provided numerous advantages over the years. She also organized a TOPTec in 1996.

Dr Jeffery T Farmer

NASA Marshall Space Flight Center

Jeff Farmer has been an invaluable member to the Environmental Systems Committee and the International Conferences on Environmental Systems (ICES) since 1996. Jeff began his journey as a committee member, then moved on to committee chair and for the last 5 years successfully has been the SAE voice on the ICES Steering Committee. Jeff served his final term as SAE Program Chair in 2008-2009. In 2008 and prior, he has organized sessions on thermal control technology and has worked with International counterparts to produce high quality sessions. Jeff has also provided hundreds of technical paper reviews since 2000. As a leader for the committee, Jeff has set an outstanding example of leadership over the last decade.

Dr Matthew J Hall

Univ of Texas-Austin

Matt has served the SAE community as a session organizer and reviewer for many years. First primarily for the Powertrain activity, now for PFL, he has put together well-run sessions on spark ignition engines and diagnostics. He is active in pursuing authors and reviewers and communicates well and effectively with authors to guide them through the manuscript preparation and completion process. His sustained

Raj Mohan Iyengar	Severstal North America Inc	<p>high-quality contributions to the Technical Paper Series as a session organizer deserve recognition.</p> <p>Dr. Raj Mohan Iyengar has been active with SAE since 2000. In particular, he began by co-organizing (with me and others) sessions on Innovations in Sheet Steel Applications and then took more leadership and initiative in developing important and highly effective sessions over the past five years on Applications in AHSS in Automotive Structures. He conducted a panel discussion on Automotive Steels and two workshops on AHSS Applications. In 2008, two successful sessions (well-attended - 70 people) were organized and led. One of the papers received the Sid Melbourne Award. Raj has invited and attracted authors from Germany, Spain and Korea, and has been working to strengthen the participation on and future of the SAE Ferrous Metals Committee by recruiting three new organizers in the last three years. Dr. Raj Mohan Iyengar has also reviewed dozens of SAE papers and has authored numerous SAE papers himself, including in SAE Transactions. He is extremely deserving of the McFarland Award, and I heartily endorse his nomination.</p>
Tze-Chi Jao	Afton Chemical Corp	<p>My nomination of Dr. Tze-Chi Jao is based on his consistent service to the SAE's technical program through his actions as a technical session chairperson and as the Chairperson of the Lubricants and Powertrain System Committee. Tze"Chi has also been an author and presenter on many papers and has continued this practice during his time as an SAE leader. Finally he has lead efforts to launch new SAE technical sessions in emerging fields of R&D.</p>
Ming-Chia D. Lai	Wayne State Univ	<p>Prof. Lai has been a long time organizer of the Fuel Injection and Sprays session sponsored by SAE PF&L activities, having organized 12 sessions over the last 11 years. Concurrently, he has been and continues to be an active reviewer for PF&L Combustion and Fuels</p>

sessions, having reviewed over 100 papers in the last 20 years. As a session organizer, I find him to be one of the rare individuals who can always be counted on to provide a thoughtful review, even when his services are requested at the last minute. He has further promoted and supported the SAE student chapter at WSU, serving as faculty advisor for over a decade and being instrumental in initiating WSU involvement in the formula SAE competition.

Robert Maynard

For the 2006, 2007, 2008, and 2009 SAE Congresses in Detroit, Robert Randy Maynard has done a heroic job in collecting participants and papers, in reviewing the papers, and in managing the day-long presentations of the papers. Session MIS, Advances in Plastic Components, Processes, and Technologies, has mainly been run by Randy Maynard. This session has continually involved the largest number of Polymer and Coatings Division papers, the number being up to around 20 each year. After gathering these participants and reviewing abstracts, the next job has been to review the submitted papers. Randy has been one of the three reviewers on everyone of papers in his session. As we all know, the review process represents a considerable time commitment, taking about a half-hour for each. Then, on the day of the presentations, Randy, sometimes with a little assistance from others, has presided and dealt with a variety of speaker problems. An example problem is speakers trying to cross the Detroit River from Canada the morning of their talks and arriving late. Another common problem is speakers having way too many slides for the allotted time. In the face of these problems, Randy has been able with equanimity to keep things moving and pretty much on schedule.

Ishaque S Mehdi

Boeing Co

Ishaque S, Mehdi has served the SAE community with enthusiasm and excellence for well over twenty five years. His participation and leadership has significantly improved,

expanded and enhanced the SAE Aerospace community, especially the Power segments. Mr. Mehdi served as General Chair for the 2008 Power Systems Conference. This conference established new levels of content, attendance, participation and overall excellence. A number of changes and firsts were implemented by Mr. Mehdi that enhanced the Power Systems Conference, including: 1. Corporate Sponsorship of the event 2. A hosted and sponsored evening reception at the Museum of Flight, complete catering provided 3. Increased the technical scope of sessions, including a focus session on High Temperature Electronics 4. Excellent slate of Plenary and Luncheon Speakers 5. Participation of Industry Exhibitors Mr. Mehdi has made significant contributions to the Power Systems Conference and has set new standards for future conferences to pursue.

Richard Miller Jr

NIOSH

Rusty Miller has been an invaluable member of the SAE Commercial Vehicle Activity Committee (CVA) serving to develop the technical program for the Commercial Vehicle Engineering Congress. Rusty serves as the Vice Chair for the Total Vehicle Committee under this Activity and in this capacity also serves on the CVA. His leadership is evident by the four sessions he organized around the topics of sustainability, IT tools and simulation, and human factors. Rusty has also regularly volunteered to serve as a liaison to other committees to jointly develop session. His unselfish service and willingness to help out wherever needed has been a tremendous benefit to the CVA and why Rusty is a most worthy candidate for this award.

Ing Jeffrey D. Morgan

Boeing Commercial
Airplanes

Jeff Morgan has done an excellent job of pulling sessions together for SAE AMAF and SAE Aerotech Conferences. Jeff has Chaired multiple sessions in the area of Metals Fabrication and Processing at these events for several years. Jeff has a strong commitment to

Jeffrey D Naber	Michigan Technological Univ	<p>completing the responsibilities of a Session Organizer &.. he always meets every deadline set by SAE.</p> <p>Jeff Naber is Co-organizer of the New SI Engine and Component Design Sessions. Jeff is also Chairman of the LUbricants and Powertrain Systems Committee. Jeff has done an outstanding job as Co-organizer and Session Chair of the New SI Engine and Component Design for the past few years and as Chairman of the Lubricants and Powertrain Systems Committee. Jeff continues to increase his involvement and contributions to SAE. As co-organizers of New SI Engine and Component Design and Advanced Powerplants for the past 20 years, Jim Smith and I have been transferring our duties to Jeff and he has done a fantastic job taking on the added responsibility, Jim Smith also supports this nomination.</p>
Mark Thomas Riefe	General Motors LLC	<p>In early 2007, the Brake Committee chair had to undergo surgery and chemotherapy for colon cancer. Mark stepped up and handled the committee chairman duties in preparation for the SAE 2008 World Congress. The preparation of papers and presentations were handled in an efficient, professional manner. Mark kept the chairman informed of progress. The committee members were very complimentary about Mark's work. This outstanding work backfilling for the chair, during his absence, deserves notice.</p>
Michael J Royce	Albion Associates LLC	<p>Mr. Royce is nominated for his outstanding contribution to the overall planning of technical meetings/conferences. Specifically for his steady leadership and guidance to the MSEC Committee over a 2 year period leading up to the 2008 Motorsports Conference held in Charlotte in 2008. The conference contained 3 mornings of excellent keynote speakers, quality written and oral technical content, and exceeded expected attendance. Since the 2008 Conference his leadership has continued to keep us on track and moving forward in a difficult economic environment.</p>

Michael L Santella

Oak Ridge National
Laboratory

Dr. Santella became active in SAE in 2004 when paper submissions related to friction stir technology were large enough to establish separate sessions on the topic. Dr. Santella was instrumental in organizing the first sessions about friction stir welding and assumed a lead role for organizing the sessions through the 2008 World Congress. Dr. Santella has continued his strong commitment to SAE activities by maintaining membership on the Materials Modeling and Testing Committee. He is currently an organizer for the Welding, Joining and Fastening sessions. Dr. Santella is also extremely active with the paper review process and with chairing technical sessions. He has often participated as a speaker at the World Congress and he is active in soliciting participation by others in the technical sessions. His active role in SAE affairs and strong commitment to the success of the World Congress make him an exceptional candidate for the McFarland Award.

Vesna Savic

GM Technical Center

It gives me a great pleasure to nominate Vesna Savic for the FOREST R. MCFARLAND AWARD. Vesna has been organizing the Body Engineering & Design and Design Optimization - Methods & Applications technical sessions under the Automobile Body Activity at SAE World Congress for many years, and she truly deserves the recognition for her extraordinary leadership qualities. She can marshal resources to get things done on time and can orchestrate multiple activities at once to accomplish a goal. She uses resources effectively and efficiently, and knows, as a team, how to work together for preventive/corrective action, improved performance and productivity. She works together to best use of the diverse individual talents and skills. She is always open to new ideas or suggestions from others within or outside the team. She accurately scopes out length and difficulty of tasks, sets objectives and goals, breaks down work into the process steps, and measures

performance against goals and evaluates results. She makes good decisions based upon a mixture of analysis, wisdom, experience, and judgment, while reviewing the papers or working with authors/organizers. She enjoys working hard and is action oriented, and full of energy for the things she sees as challenging. She is well organized, punctual, prudent, and proactive. Therefore, I strongly recommend Vesna Savic for the FOREST R. MCFARLAND AWARD

Dr Donald C Siegla

Don Siegla is currently Member-at-Large on LSG and has been an active member of many Land & Sea Group activities and committees since 1987. He has served as Transactions Editor from 1992-2008 and continues to help with the transition to the new SAE Journals. To this end, Don has been a member of the Technical Quality Response Team (TQRT) since 2005. Over the past year he has worked closely with the chair of the TQRT to develop the new process for paper selection for the new SAE Journals. He is also a member of the SAE Mobility History Committee and yearly organizes sessions for the SAE World Congress.

Dr James E Smith

West Virginia Univ

SAE Boards and Committees - Over the past 22 years, Dr. Smith has donated an enormous amount of his own personal time to serve on numerous SAE Boards and Committees and has done an outstanding job. SAE Boards/Committees include: Engineering Meetings Board, Technical Standards Board, SAE Board of Directors, Liaison to Publications Board, Convergence Program Office, 13th and 14th Asia Pacific Conference, Land and Sea Group, Technical Communications Committee, EMB Strategic Planning Committee, Powerplant Governing Board, Advanced Powerplant Committee, Congress General Committee, Meetings Evaluation Committee, Annual Congress Coordinating Committee, Cliff Garrett Turbomachinery Award Board,

Dr Robert M Wagner PhD Oak Ridge National
Laboratory

Liaison Fuels & Lubricants
Committee, AllWheel Drivetrain
Sub-Committee, Annual Nominating
Committee, and Lubricants &
Powertrain Systems Committee. Dr,
Smith was a Chairperson on many of
these Boards and Committees. Dr,
Smith is also a SAE Fellow and 2009
SAE President Nominee.

Dr. Wagner serves the SAE
Powertrain, Fuels, and Lubricants
activity as Chairperson of the
Combustion and Fuels Committee.
Robert has been a session organizer
and/or chairperson for SAE
conferences for the past several
years and has reviewed numerous
technical manuscripts. Robert has
been especially active in his service
this year, co-organizing sessions at
the 2009 SAE Congress, the 2009
International Powertrain, the 2009
Fuels, and Lubricants Meeting in
Florence, Italy, the 2009 SAE
Powertrain, Fuels, and Lubricants
Meeting in San Antonio, TX, and the
2009 SAE Government/Industry
Meeting. He has also participated in
the program planning of the 2009
SAE HCCI Symposium in Malmo,
Sweden. Robert worked with others
to re-design the technically complex
fuels and combustion sessions for the
PFL and Congress meetings to
provide improved guidance to authors
and consistency of technical content.
Robert is tireless in his willingness
to provide technical paper reviews
and to otherwise assist with session
planning and execution, often at the
last minute, to help assure the
success of SAE's technical meetings.

Ren-Jye Yang Ford Motor Co

Dr. Ren-Jye Yang has been a pivotal
member of the Materials Modeling
and Testing (MMT) and Quality,
Reliability and Robust Design (QRRD)
Committees since its inception in
2004. Dr. Yang is one of the leading
organizers for the "Reliability and
Robust Design in Automotive
Engineering" forum at the SAE World
Congress, since 2004. Dr. Yang has
been instrumental in planning and
organizing the emerging technical
sessions in MDO and Model

Verification and Validation. He has successfully recruited many experts from industry and academia to organize sessions, present papers, and actively participate in the MMT & QRRD Committees. Dr. Yang is recommended for the McFarland Award for his significant contribution to SAE by organizing numerous excellent technical sessions for SAE Congress from 2004 to 2009 and providing a pivotal leadership in the MMT & QRRD Committees.

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