



Example Completed Nomination

SAE Fellow Nomination

The page limit for this nomination (excluding the support letters) is ten pages.
Submissions over the 10-page limit risk not being considered by the Fellows Committee.

Nominee: Dr. Joseph T. Jones		Member Number: 00011111000
Position: Chief Operating Officer		Grade: Must be Member
Division: Technology Division		Years of membership: 15 (if less than 10, Appendix A must be completed)
Company, Organization or University: Smith Corporation		
Below address is: Business		
Street: 1000 Smith Drive		
City: Pittsburgh		State/Providence: PA
Postal Code: 61111-1500	Country: USA	Telephone: 8159995555
E-mail: jjones@smith.org		

Nominator: Samuel J. Schmidt		Member Number: 2223307899
Position: VP of Engineering		Grade: Member
Division:		Department:
Company/Organization/University: Smith Corporation		
Below address is: Business		
Street: 1000 Smith Drive		
City: Chicago		State/Providence: IL
Postal Code: 61111-1500	Country: USA	Telephone:8159995555
E-mail:sschmidt@smith.org		

CITATION

The Citation is the primary basis of the nomination by which the submittal will be judged. Describe the nominee’s specific, verifiable accomplishment(s) in 1 to 2 sentences totaling 50 words or less. The accomplishments mentioned in the Citation must be elaborated in the Major Technical Achievements write-up then supported or confirmed by the references’ support letters. Please note that if the nominee is elected, this Citation will be read at the award ceremony and published in *SAE Update*.

Dr. Jones provided technical and managerial leadership to teams that established world-record levels of performance in two industries: high-performance military gas turbine engines and passenger cars. These achievements benefited society by providing for a more-capable national defense and by demonstrating the technical feasibility of highly efficient passenger cars.

The citation is very important. Read it carefully and judge whether statements, data, and references fully support the citation. Awarded up to 10 points for truly exceptional contributions that are fully supported.



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MAJOR TECHNICAL ACHIEVEMENTS

Significant Contributions:

Please complete the following area with up to five concise paragraphs about the nominee's most important achievements.

Examples might include:

- a technical innovation with major impact and broad applicability
- a new engineering or manufacturing process that drove major improvements in productivity and/or quality
- work that strongly influenced a new mobility-related standard
- Government policy or legislation.

Note: Describe the nature and impact of the nominee's individual technical efforts, and/or the scope and impact of a technical team led by the nominee and the nominee's role in the achievement, the impact of a major organization in which the nominee was a senior manager and the contribution of the manager to the organization's achievements.

Dr. Jones is currently the Chief Operating Officer of the Technology Division of Smith Corporation. The primary mission of Dr. Jones is the development and validation of advanced gas turbine technology and turbine technology and engine concepts to meet future Smith Corporation needs. Programs in the Technology Division address both unmanned and man-rated applications, for which under Dr. Jones' leadership, generated world-record levels of technology capability. Significant recent achievements of the Technology Division include major contributions to the XXX LiftFan and XX engine.

When Dr. Jones was with XYZ Company, he was Director for the partnership of a New Generation of Vehicles (PNGV). PNGV was a unique initiative undertaken by the U.S. Government and the United States Council for Automotive Research (USCAR). Members of USCAR are three top automotive OEM's. The key objective of this unique partnership was to develop the technological foundation for a new generation of automobiles and trucks that will be significantly more fuel efficient than today's vehicles, while continuing to meet all other requirements of the marketplace. Dr. Jones was the longest-serving member of the joint government-industry steering committee for PNGV, which was responsible for coordinating the plans of the top three OEM's, eleven government agencies and over 200 supporting supplier and academic participants. PNGV established a new model of cooperation between government and industry for addressing the technical challenges of our ground mobility systems. Dr. Jones also assisted the DOE with the formation of the 21st Century Truck Initiative, based on the PNGV model.

As a Director of the XYZ company, he was responsible for the Integration of technical, business, political and public relations strategy for the XYZ PNGV program. Jointly with his counterparts at other major automotive companies and the U.S. Government, he performed the same functions for the Partnership. Dr. Jones delivered hundreds of presentations and interviews regarding the purpose and progress of PNGV that resulted in extensive, positive media coverage and strong congressional support for the program.

Dr. Jones also led the multi-disciplinary XYZ team that designed and developed the XYZ vehicle, an advanced technology model that achieved the 80 mpg target established by PNGV. This vehicle integrated and leveraged over 130 innovations that enable it to be the most fuel-efficient family sedan ever developed. The XYZ vehicle was recognized with the Popular Science Grand Award for Technology (200X), a "Designing A Sustainable and Secure World" Award from Global Green USA, third place in the Environmental Concept category of the Automotive News International Concept Car of the Year Awards at the 200X Paris Auto Show, the XYZ Chairman's Award (200X), and numerous other XYZ internal awards. The XYZ vehicle was featured in many publications and news media accounts.

Consider:

How innovative were the cited achievements? (e.g., incremental, step-change or revolutionary?)

How large was the scope of effort? (e.g., individual, small team, major consortia, large division government lab, multi-national, etc.?)

How broadly have the results been adopted? (e.g., a research tool for a specialized community, widespread through the industry/government/academia/widely incorporated in products that have researched the market, etc.)

How important were the nominee's role and personal contribution (e.g., key innovator, team leader, senior coach, and sponsor, etc.?)

Awarded up to 30 points for nominations meeting the upper end of each dimension that you have considered.



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PUBLICATIONS, COMMUNICATIONS, LEADERSHIP, AND PATENTS

Mobility-Related Technical Publications: (attach a list of publications to this nomination)

How many books has the nominee authored or edited? 1

How many chapters has the nominee written? 0

How many journal papers has the nominee published? 1-SAE; 2-ASAE

How many other technical publications has the nominee written? 10

Has the nominee authored other publications of significance related to the citation (e.g., standards, contract reports, position papers, etc.)? 8 congressional testimonies; 2 contract reports; 7 various technical reports and publications.

Consider up to five mobility-related publications that are the most important to this nomination. What impact have these publications had? Describe how each of publications have been impactful

His book is titled: "Assessment of Military Gas Turbine Engines" was published in 2002. The following publications made significant impact:

1. "Architecture for Robust Efficiency: XX PNGV Vehicle", SAE paper 2000-01-XXXX, April, 2000;

2. "An Experimental Investigation of the Endwall Heat Transfer and Aerodynamics in a Linear Vane Cascade", ASME 83-GT-XX, January, 1984;

3. "An Experimental Investigation of the Heat Transfer to a Turbine Vane at Simulated Engine Conditions", ASME paper 79-GI-XX, 1979;

4. "Supersonic Compressor Cascades – An Analysis of the Entrance Region Flow field containing Detached Shock Waves", ASME 75-GT-XX, April, 1976;

5. "Analytical and Experimental Evaluation of the Heat Transfer distribution over the Surfaces of Turbine Vanes, NASA, CR_168XXX, 1983.

Dr. Jones' book was widely referenced, and is still considered one of the best sellers on this topic. His technical papers are transaction level publications. All have been published in which he has given oral presentations. These publications attest to his work done for the Smith Corporation and XYZ Co. Besides these technical publications, Dr. Jones also spoke and testified at congressional hearings and gave over one hundred presentations at various conferences, workshops and universities, boards and panels.

Evaluating the quality, impact and scope of publications by the nominee, awarded up to 10 points.

OR if Nominating Team Leaders:

Describe how each of publications have been impactful and the leaders role in the processes below.

How many books has the nominee directly lead a team to author or edit? 1

How many chapters has the nominee directly lead a team to write? 0

How many journal papers has the nominee directly lead a team to publish? 1-SAE; 2-ASAE

How many other technical publications has the nominee directly lead a team to write? 10

Has the nominee directly lead a team to author other publications of significance related to the citation?

Evaluating the impact of the leader on the quality and scope of the publications, awarded up to 10 points.

- leadership resulted in significant in productivity or improvements of a major division, plant, joint or new venture
 - leadership resulted in a unique management concept or organization structure not previously tried by industry that proved successful



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Patents: (attach list of Patents to this nomination form)

- How many patents does the nominee have that are related to the Citation? (If the nominee did not have any patents, please just note zero)
- List up to five of the most significant patents related to this nomination. 1. XXXXXXXXXXXX; 2. XXXXXXXXXXXX; 3. XXXXXXXXXXXX; 4. XXXXXXXXXXXX; 5. XXXXXXXXXXXX
- Describe the significance of the nominee's patented work. Dr. Jones' patents were primary to solving XYZ product situation and helped move Smith Corporation ahead in the automotive industry.

Have the number and significance of the nominee's innovations been normal, extensive, or truly exceptional?
Awarded up to 10 points.

OR if Nominating Team Leaders:

- How many patents did the nominee directly lead a team to create that are related to the Citation? (If the nominee did not have any patents, please just note zero)
- List up to five of the most significant patents related to this nomination. 1. XXXXXXXXXXXX; 2. XXXXXXXXXXXX; 3. XXXXXXXXXXXX; 4. XXXXXXXXXXXX; 5. XXXXXXXXXXXX
- Describe the significance of the leader's impact on the patented work. Dr. Jones' leadership and Knowledge were the driving force that keep out team moving forward allowing us to developed the patents that were primary to solving XYZ product situation and helped move SMITH Corporation ahead in the automotive industry.

Describe the significance of the leader's impact on the patented work. Has number and significance of innovations that the leader directly impacted been normal, extensive, or truly exceptional? Awarded up to 10 points.

Keynotes, Presentations, Panels, and Speeches

- Other than technical papers, how many presentations, panels, speeches, and keynote presentations has the nominee made? 100+
- Include the overall number of invitations the nominee receives to speak, but may not fulfill due to time constraints. Dr. Jones missed five opportunities this past year.
- Please list up to five of the most significant speaking engagements and describe their importance and how they were impactful.
Include: Title/Date/Location/Impact
Dr. Jones' significant presentations were:
 1. "Engine Efficiency Improvement Options for Non-Fighter Aircraft;"; March 1, 2012 at SAE World Congress; Asked to speak as the SME, he spoke on Energy Efficiency Improvements to nearly 300 people. (additional supporting information on impact of the presentation will help achieve the full 10 points possible for this part of the nomination form.)
 2. "PNGV: Breakthrough Research Needed to Achieve 3X Fuel Efficiency.", May 15, 2015 as Keynote presenter for XYZ event. This presentation discussed new technologies that were not as yet used in manufacturing, but made a major impact on the industry and are now widely used in today's automobiles and aircraft.
 - 3.
 - 4.
 - 5.

Keynotes, Presentations, Panels and Speeches section in conjunction with Organizational Spokesperson section are awarded a total of 10 points combined. The upper end of the end of scoring can be achieved if

1. When the number, significance of audience/venue and impact of the papers, presentations, panels and keynotes are considered
2. If this has been an important dimension of the nominee's contribution to his/her organization or field of work



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Leadership Accomplishments

Document leadership successes and their impact to the mobility industry. Refer to the Judging Guideline document or the Example completed nomination for content consideration.

Dr. Jones technical expertise and leadership in the areas of gas turbine technology and turbine technology and engine concepts are well respected and acknowledged by those in the industry. Over a 40-year span, Dr. Jones' responsibility as well as his leadership capabilities progressively increased. In his current position as Chief Operating Officer, Technology Division, Dr. Jones has over 400 engineers and programs reporting to him. He is an excellent leader and a superb strategist. Since 2005, Smith Corporation obtained over \$250 million in revenue for the new technologies Dr. Jones and his engineers generated.

Consider:

Impact of the leader's work on the mobility industry.

results are significant in productivity or improvements of a major division, plant, joint or new venture
resulted in a unique management concept or organization structure not previously tried by industry that proved successful

Awarded up to 10 points if the nominee's Leadership contributions meet the upper end of the dimension that you have considered.



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Organizational Spokesperson

In 1 to 3 sentences, summarize the impact of the nominee's communications to his/her internal organization and /or to external audiences regarding the organization's products and processes.

Dr. Jones gave hundreds of presentations over the years to external audiences, participated on many panels and have given several Congressional testimonies regarding technologies and environment, e.g. Joint Hearing before the House Armed Services Committee on R&D and the Space, Science and Technology Committee, 1992. He had also delivered hundreds of presentations and interviews regarding the purpose and progress of PNGV that resulted in extensive, positive media coverage and strong congressional support for the program.

Keynotes, Presentations, Panels and Speeches section in conjunction with Organizational Spokesperson sections are awarded a total of 10 points combined. The upper end of the end of scoring can be achieved if

1. When the number, significance of audience/venue and impact of the papers, presentations, panels and keynotes are considered
2. If this has been an important dimension of the nominee's contribution to his/her organization or field of work

PROFESSIONAL RECOGNITION



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Industry/Government/Academic/Public Recognition

Describe in 1 or 2 sentences how widely recognized your nominee is within his/her specific mobility field and cite evidence if available. (e.g. company, national or internationally recognized expert) Dr. Jones is well-recognized globally in both the automotive and aerospace sectors for his technical capabilities and innovative outcomes for gas turbine technology, high-efficiency automotive technology, and other propulsion concepts.

List honors, awards, prizes, honorary degrees, awarded to the nominee by his/her organization or external organizations. Include title of the award, name of the institution granting the award and date received.

SAE Awards:

- Clarence L. (Kelly) Johnson Aerospace Vehicle Design and Development Awards, 1981
- Max Bentele Award for Engine Technology Innovation, 2008
- SAE Fellow in the White House Office of Science & Technology Policy, 1989

Organization Awards:

- Chairman's Award, 2000
- Popular Science Grand Award for Automotive Technology for the XYZ car, 2000

Technical Associations:

- AIAA Fellow
- Public Awards & Recognition: Robot Society
- Sobey Memorial Award, 1966
- University Award: Who's Who from Purdue University, 2008

Considering the number and significance of awards received by the nominee, awarded up to 10 points.

TECHNICAL SOCIETIES ACTIVITIES

Part A.

List the nominee's SAE participation including administrative committees, boards, councils, elected offices held, technical sessions organized, technical or standards committees served, and/or local section involvement. List dates of involvement plus give a brief description of nominee's involvement.

1. Aerospace Sector Vice Chair 2006-09 – Served as a key resource for the aerospace sector to the SAE Board of Directors and provided counsel on matters within this sector relative to SAE International policies, principles and philosophies.
2. Aerospace Advisory Group 2005 - same as above
3. Engineering Meetings Board 1999 - As a board we assist in organizing congresses and conferences in which pertinent information and/or technical papers are presented and discussed. We assured that the pertinent information being developed and distributed were areas of interest to SAE International.

Consider:

The number, duration and types of SAE activities that the nominee has participated in.

The positions held by the nominee, e.g., member, chair, founding member, etc.

The breadth of impact of the activity on matters of importance to SAE.

Awarded up to 15 points.



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Part B.
List the nominee's participation in other societies/associations. Include administrative committees, boards, councils, elected offices held, sessions organized, technical or standards committees, and local chapter involvement. List dates of involvement and give a brief description of nominee's involvement.

1. AIAA - Vice President, Public Policy – 1992-1994
2. Public School Advisory Board, Science Education Foundation 2005

For professional activities other than SAE but relating to the area of the citation, the number, duration and types of non-SAE societies/associations that nominee has participated.

The position held by the nominee, e.g., member, chair, founding members, etc.

The breadth of impact of the activity on matters of importance to non-SAE societies/associations.

Awarded up to 5 points.

WORK EXPERIENCE

Company, Organization, or University	Smith Corporation	Division or Department			
Position	Vice President, Special Projects	From	3-Apr-06	To	2-Apr-07

Accomplishments: Dr. Jones led strategic planning and a number of business development initiatives.

Company, Organization, or University	XYZ Co.	Division or Department			
Position	Director for the Partnership of a New Generation of Vehicles (PNGV)	From	28-Feb-93	To	28-Feb-01

Accomplishments: PNGV was a unique initiative undertaken by the U.S. Government and the United State Council for Automotive Research (USCAR), whose members are from the top 3 OEM's.

Company, Organization, or University		Division or Department			
Position		From	1-Jan-00	To	1-Jan-00

Accomplishments:

EDUCATION

Name of College or University (Undergraduate)	Major Course of Study	Degree	Graduation Date
Purdue University	Mechanical Engineering	Ph.D.	1-Jun-73
Name of College or University (Graduate)	Major Course of Study	Degree	Graduation Date
			1-Jan-00
Name of College or University (Doctorate)	Major Course of Study	Degree	Graduation Date
			1-Jan-00



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LETTERS OF SUPPORT

References

- List four references, three of which **must be** either an SAE Member or Fellow grade member.

Name: Sara James		Membership Number: 6668889901
Position: Chief Executive		Membership Grade: Member
Division:		Department:
Company, Organization or University: Smith Corporation		
Below address is: Business		
Street: 1000 Smith Drive		
City: Chicago	State/Province: IL	Country: USA
Postal Code: 61111-1500	E-mail: sjames@smith.org	Telephone: 8155559990
Name: William Walker		Membership Number: 1999955009
Position: Executive Director		Membership Grade: Fellow
Division:		Department:
Company, Organization, or University: SUPERCAR		
Below address is: Business		
Street: 1000 Washington Drive		
City: Washington	State/Province: DC	Country: USA
Postal Code: 10056	E-mail: wwalker@supercar.org	Telephone: 2045551212
Name: Alexander T. Mack		Membership Number: 224678992
Position: Retired		Membership Grade: Fellow
Division:		Department:
Company, Organization, or University: Formerly with - Great American Car Company		
Below address is: Home		
Street: 111 Relaxing Court		
City: Ft. Meyers	State/Province: FL	Country: USA
Postal Code: 11567-1000	E-mail: amack@comcast.net	Telephone: 8134449980
Name: Dr. Sun Yung Li		Membership Number: 2117500005
Position: Director/Technical Fellow		Membership Grade: Fellow
Division: Technology Division		Department:
Company, Organization or University: Aerospace Research Company		
Below address is: Business		
Street: 300-04444 Kitsuregawa		
City: Okazaki	State/Province:	Country: Japan
Postal Code: 32000003	E-mail: syli@aeroresearch.org	Telephone: 81664544603



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Supervisor or a Management Representative

- List one individual preferably from the same organization as nominee

Name: Roger Scoefield		Membership Number: 3400555000
Position: CEO		Membership Grade: Non member
Division:		Department:
Company, Organization, or University: Expert Engineering Inc.		
Below address is: Business		
Street: 5000 Rotundra Drive		
City: Detroit	State/Province: MI	Country: USA
Postal Code: 48012	E-mail: rscoefield@eei.org	Telephone: 4185554448