

Young Manufacturing Leadership Award

If tomorrow's future is dependent upon today's leaders, the accomplishments of the following individuals would suggest that the future is bright. As the recipients of the SAE Foundation's 2009 Young Manufacturing Leadership Award, they have demonstrated leadership skills, community involvement and industry promise that surpass their peers. They will be publicly recognized at the 2010 SAE Foundation Banquet.



*Increasing math and science literacy
for the workforce of the future*

Young Manufacturing Leadership Award Criteria

The Young Manufacturing Leadership Award was created to promote careers in manufacturing by recognizing young men and women, ages 35 and under, who have significant accomplishments as manufacturing leaders and who show potential for significant leadership growth in industry. Nominees must have:

- ▶ Proven accomplishments in their manufacturing career
- ▶ Shown promise and possess leadership ability
- ▶ Received recognition from their employer or organization
- ▶ Demonstrated commitment to the community

YOUNG MANUFACTURING LEADERSHIP AWARDEES



Lucas Frank

Program Management Specialist, Chrysler 300
Chrysler LLC

Lucas Frank is a program management specialist for the Chrysler 300, Dodge Charger and Challenger where he is responsible for the coordination and execution of the full-vehicle program across design, engineering, manufacturing and marketing functions. Since graduating from Purdue University in Mechanical Engineering, Lucas has spent the past 11 years at Chrysler where he has taken increasing roles of responsibility through Design Engineering and Vehicle Development. While in Design Engineering he led the development of a hydraulic suspension system, as well as implementing new testing procedures & simulations for active suspension systems. Lucas is a graduate of the Chrysler Institute of Engineering Leadership Program and earned his Master of Science Degree through the University of Michigan and his Master of Business Administration Degree at the University of Michigan.

He is married with three children and is an active participant in his church where he is involved in various outreach activities to benefit other groups in the Detroit Metro region. He is also a part of the Farmington Downtown Development Authority where he participates on the Economic Restructuring Committee.

Matt Gaw

Worldwide Hose Assembly Manager
Caterpillar Inc.

Matt Gaw began his career with Caterpillar Inc. in 1999 as a heat treat engineer after graduating from the Missouri University of Science and Technology.

In 2001, he took on a Six Sigma Black Belt role in which he drove improvements with scrap reduction and lean manufacturing techniques at his facility. Matt had a short stint in the Advanced Materials Group as a senior engineer in 2005 with responsibility for failure analysis and material selection. He then transferred to Anchor Coupling,

wholly owned subsidiary of Caterpillar, as the engineering manager in 2006. In this role he had engineering responsibility for all hydraulic couplings made and used throughout Caterpillar. In 2008, he developed and executed a product plan that kept downtime situations on the line to a minimum at Caterpillar's assembly facilities. He is currently the worldwide hose assembly manager with responsibility for six facilities throughout the world and a team of more than 350 people.



Matt has been an active member of the communities he has lived in. He has volunteered his time with Special Olympics, Relay for Life and coached soccer. He has also been a housing parent for the United States Hockey League.

YOUNG MANUFACTURING LEADERSHIP AWARDEES

Bruno Monsarrat

Research Officer and Project Manager
Aerospace Manufacturing Technology Centre
Institute for Aerospace Research
National Research Council Canada of Montreal

Bruno Monsarrat began his career at the Canadian Space Agency as a robotic simulation engineer, working on the task verification facility for the 'Dextre' system, a dual armed robot part of Canada's contribution to the International Space Station. In 2003, he joined the Aerospace Manufacturing Technology Centre of the Institute for Aerospace Research (IAR), National Research Council Canada in Montreal. As a research officer and project manager, he conducts industry driven projects in the fields of robotized aircraft assembly and digital manufacturing.

During his career, Monsarrat has coordinated teams of researchers, engineers and technical officers in the context of projects with major aerospace OEMs such as Bombardier Aerospace. Monsarrat and his teammates received the IAR Team Outstanding Singular Achievement Award for the recent development and industrialization of a high performance assembly system using collaborative robots for the production of business jet nose fuse panels. He participates in the IAR Leadership and Management Development Program, mentors co-op, undergraduate and graduate students.

Monsarrat obtained a bachelor's degree in mechatronics from the Institut National des Sciences Appliquées de Strasbourg, France, in 1999 and a master's degree in robotics from Laval University, Quebec City, Canada, in 2001. He is a member of the Ordre des Ingénieurs du Québec.

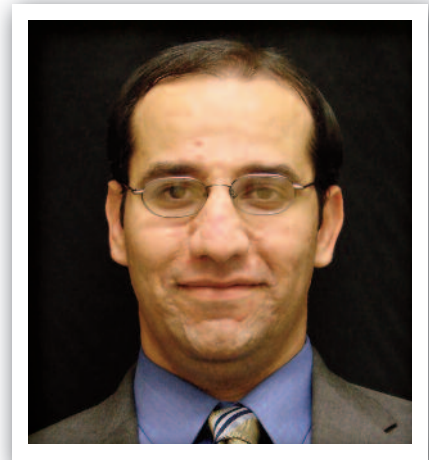


Mohammed A. Omar, Ph.D.

Assistant Professor of Mechanical Engineering
Automotive Engineering Program Graduate Coordinator
International center for Automotive Research CU-ICAR
Clemson University

Mohammed A. Omar, Ph.D. is an assistant professor of mechanical engineering at the Clemson University-International Center for Automotive Research CU-ICAR. He received his doctorate in 2005 from the University of Kentucky, and has worked there as a post-doctoral scholar. He was a visiting scholar at the Toyota Motor Corporation headquarters in Japan in 2006.

Dr. Omar's research is focused on developing novel thermal-imagery systems for the automotive industry product and process control. His work has resulted in two U.S. patents and two international patents. He has over 50 published manuscripts in refereed journals and conferences. His latest work "thermal imagery systems for automotive product and process control" was judged the "most outstanding technical SAE publication of 2008." Additionally, he chaired the ASNT topical conference series on the advancement of the automotive industry with NDT&E technologies in 2009 and is on the organizing committee for the SAE World Congress 2010.



YOUNG MANUFACTURING LEADERSHIP AWARDEES



Laura Seidel

Dimensional Quality Lead, Volt Battery Launch Team
Wilmington, DE, Assembly Plant
General Motors Corporation

Laura Seidel began her career at General Motors Truck Group in Pontiac, MI, as a manufacturing engineer in the college-graduate-in-training program. Two years later, she transferred to GM's Baltimore Assembly plant as a statistical engineer with a focus on solving problems reported by customers and improving the plant's J.D. Power score. In 2002, Seidel was promoted to Dimensional Manager for the plant. Her dimensional problem solving skills landed her a spot on the C6 Corvette launch team in Bowling Green, KY, where the team was awarded the GM Chairman's Honors Award for the engineering and manufacturing

technology in the Z06 Corvette. In 2005, she transferred to the Wilmington, DE, Assembly Plant for the launch of the Pontiac Solstice and Saturn Sky vehicles, and most recently the Solstice Coupe. Laura transferred to the GM Tech Center in 2009 and is currently working on the Chevy Volt Battery Launch Team as the Dimensional Quality Lead.

Seidel is an active volunteer for SAE's A World In Motion® program and works with 5th grade students who are involved with the JetToy Activity. She is also involved in the local sections of the American Society for Quality and Society of Women Engineers.