

FOR IMMEDIATE RELEASE

Consulting-Specifying Engineer Announces 2008 40 Under 40 Winners

Oak Brook, Ill., July 21, 2008 – Consulting-Specifying Engineer magazine has announced the recipients of its 40 Under 40 award. This award is given to 40 building industry engineers under the age of 40 who stand out in their academic, professional, personal, and community achievements. To read a profile of each winner, visit www.csemag.com/40under40.

Candidates had to be nominated by a professional colleague, and were judged based on commitment to excellence in a variety of areas. To qualify, nominees had to be 40 years of age or younger (as of May 1, 2008).

The July issue of *Consulting-Specifying Engineer* magazine profiles each young professional, highlighting circumstances that lead them to success and highlights recent professional projects and personal achievements.

“Our 40 Under 40 honorees excel in mechanical, electrical, or plumbing (MEP) engineering or professions associated with the construction industry, while also achieving work-life balance and serving their communities,” said Michael Ivanovich, editor-in-chief, Consulting-Specifying Engineer. “From responding to sustainability and technology challenges to working in IT-based collaborative environments, the 40 Under 40 are inspirational role models for students seeking dynamic and economically rewarding careers that provide public benefit.”

The honorees are:

- Peter Alspach, PE, LEED AP, Arup, Seattle, Wash.
- Ryan Beaudrie, Ron George Design & Consulting Services, Monroe, Mich.
- Mike Belczak, PE, LEED AP, Primera Engineers, Chicago
- Bill Brown, PE, Schneider Electric North America, Cookeville, Tenn.
- Dan Christman, PE, LEED AP, X-nth, Apoka, Fla.
- Cynthia Cogil PE, LEED AP, SmithGroup, Washington, D.C.
- Jim Corsiglia, PE, SE, Harley Ellis Devereaux, Southfield, Mich.
- Peter D’Antonio, PE, LEED AP, PCD Engineering Services Inc., Boulder, Colo.
- Ray Doyle, PE, LEED AP, KlingStubbins, Washington, D.C.
- Tracy Ekola, PE, SEH, St. Cloud, Minn.
- Eric Farmer, PE, Garver Engineers, Little Rock, Ark.
- Justo Gutierrez, AVI-SPL, Columbia, Md.
- Traci Hanegan, PE, LEED AP, HFDP, Coffman Engineers, Spokane, Wash.
- Gregg Hudock, PE, Golder Assocs., Atlanta
- Gabriel Jimenez, PhD, PE, Walter P Moore, Houston
- Andreas Kammereck, PE, Golder Assocs. Inc., Redmond, Wash.
- Alfred N. Kovalik, PE, LEED AP, GeoDesigns Inc., Middlebury, Conn.
- Doug Lacy, PE, ccrd partners, Dallas
- Keith Lane, PE, LEED AP, Lane Coburn & Assocs. LLC, Woodinville, Wash.

MORE

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Consulting-Specifying Engineer Announces 2008 40 Under 40 Winners
page 2

- Sarita Lemons, PE, Infrastructure Engineering Corp., Poway, Calif.
- Bill Leuci, PE, X-nth, Boston
- **Firas Makahleh, SESAME Light Source, Amman, Jordan**
- Rodrigo Manriquez, IALD, LC, IESNA, SmithGroup, Detroit
- Patrick McCafferty, Arup, Cambridge, Mass.
- Jack McCarthy, PE, Integrated Design Group, Boston
- Erin McConahey, PE, Arup, Los Angeles
- Jason McFadden, EIT, Barton Malow Construction Services, Atlanta
- Allan Montpellier, PE, LEED AP, Flack + Kurtz, Seattle
- Doug Nadeau, PE, LEED AP, New England Engineering, Albany, N.Y.
- Lincoln Pearce, PE, LEED AP, KJWW Engineering Consultants, Rock Island, Ill.
- Andrew Purtell, Kidde-Fenwal Inc., A UTC Fire & Security Co., Ashland, Mass.
- Greg Quinn, PE, LEED AP, AEI/Affiliated Engineers Inc., Madison, Wis.
- Donald Seward, PE, EarthTech, Richmond, Va.
- Peter Stockard, PE, LEED AP, Sebesta Blomberg, Arlington, Va.
- Jeffery Tubbs, PE, Arup, Westborough, Mass.
- Tony Warner, RTKL Associates Inc., Baltimore
- Richard Watters, PE, Baird, Hampton & Brown, Fort Worth, Texas
- Mike Westemeier, PE, LEED AP, LKPM Engineers Inc., St. Paul
- Gerald "Gerry" Williams, PE, LEED AP, Cannon Design, St. Louis
- Qui Song (Kent) Yu, Degenkolb Engineers, Portland, Ore.

For additional information about the program, visit www.csemag.com/40under40.

About Consulting-Specifying Engineer

Consulting-Specifying Engineer (www.csemag.com) is a monthly magazine serving more than 46,000 mechanical and electrical engineers. It covers mechanical, electrical, and fire/life-safety engineering for commercial, industrial, government, healthcare, and high-tech buildings.

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Firas Makahleh, 38

Head of Cooling Engineer, SESAME Light Source, Amman, Jordan

Mu'tah University, BS in Mechanical Engineering Jordan University, MS in Mechanical Engineering

A mid-fielder who played soccer at Mu'tah University, Makahleh said he became a mechanical engineer because he asked one of his friends to become an electrical engineer, Makahleh's original intended major.

"Fortunately, he refused, so I became a mechanical engineer," he said.

Makahleh is the head of the vacuum and cooling section, where he designs the cooling system of the SESAME 2.5 GeV synchrotron 1,000-ton chillers facility and supervises mechanical systems for hospitals, universities, and other facilities. Makahleh's first design project was an HVAC and medical gases system for the Urology Centre in Amman, Jordan. His other projects include the Vocational Training Corp.'s 75,000-sq.-ft, 8-story building and the 5.38 million-sq.-ft Aqaba Business project where he handled the HVAC, fire fighting, drainage, storm water, and BMS. Makahleh said it was his mother's sacrifice and the SESAME ex-technical director, Dr. Vignola Gaetano, who encouraged him "to enter a new, difficult field" that helped him get to where he is today. Married at 23, he is the proud father of six children with his wife, Mervat Budair. He enjoys traveling to the mountains in the summer and the Dead Sea in the winter.

M/E Roundtable

integrated package.

KUPPINGER: I touched on it above and can expand, but basically the systems require valuable space that does not obtain monthly rent, and the capital cost of these systems causes ROIs that

far exceed what typical class "A" or "B" developers will invest in or tenants will pay for.

CSE: How are current codes, standards, and environmental impact

issues affecting the implementation of on-site power strategies?

FLICKINGER: One would presume with the enactment of EPACT 2005, where net metering was mandated, there would have been a proliferation of alternative energy sources. However, this not the case, the complexity and definition of "net metering" as regulated by individual state and public utility boards is a challenge.

EPA has enacted more stringent air quality standards for diesel generators. As the generators are required to be Tier 4 by 2011, there will be fewer economically viable opportunities for this type of generator, particularly for "base loaded" applications.

KUPPINGER: There was a code change in Illinois and a past client, UBS, was required to provide an air-sampling system and increase the level of diesel fuel monitoring and alarm.

CSE: How is the current utility environment affecting the implementation of on-site power systems?

KUPPINGER: Utility companies have traditionally not allowed the direct connection of on-site generation equipment to their electrical grid. On-site generation typically is not connected to the grid and requires a short "outage." The primary reason the utility did not allow direct connection or "closed transition" of on-site generation into the grid is that problems on the customer equipment could cause an outage to the entire area. We have seen this happen on the East Coast a few years back, when the operations of a single utility plant caused the surrounding grid to become unstable and ultimately fail. The IEEE has developed improved standards, and ensure from multiple areas.

companies to be more. Closed transition requires the switch gear, power breakers, and relay systems that were expensive and caused risk concerns. lose!

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40
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