

FMS Wins Three DBIA Awards at the National Level

Los Angeles, CA— 03/04/2019 — Field Management Services (FMS), received three National Design/Build Industry Awards at their annual meeting: The National Award of Merit; the National Award of Excellence for Industrial / Process / Research Facilities; and the Award of Excellence in Design–Engineering for their work on the University of California Irvine – Transmission Electron Microscope (TEM) Facility Project.



In 2017, the University of California at Irvine committed to building a world-class electron microscopy facility to house the world’s most sensitive TEM’s. The TEM project was technologically sophisticated and logistically complex, achieving unprecedented electromagnetic and vibration specifications, in a renovated building near the center of campus. As part of the design and construction team, FMS worked closely with the campus design group, instrument vendors and key faculty to ensure the TEM facility was built without compromise. The team proactively engaged and coordinated with stakeholders, met demanding - and often fluid - user requirements and, in the end, exceeded the most sensitive instrument manufacturer’s environmental siting criteria by an order of magnitude.

The Research enabled by this facility has already resulted in fundamental breakthroughs in science, giving end users an opportunity to test the limits of TEM technology and to develop unprecedented research capabilities. Notably – June 6-8, 2018 the inaugural International Symposium on Advanced Electron Microscopy and Spectroscopy was held during the grand opening of the UCI

TEM Facility. During the event, researchers at UCI, using the first of its kind, a Nion UltraSTEM 200 HERMES with EELS, achieved a resolution of 4.2 meV, a world record.

“We are able to achieve atomic-scale observation of the reaction process at atmospheric pressures in our TEM, something that has never been successfully accomplished until now”.

Dr. Xiaoqing Pan

Henry Samueli Endowed Chair in Engineering and

Professor of Chemical Engineering and Materials Science

“The Transmission Electron Microscope Facility was a very high-risk project for UCI, given that we were bringing in a high impact Principal Investigator performing groundbreaking research. The project could have failed in thousands of different ways, yet it succeeded due to a high performing collaborative team working with a team of experts to implement the project”.

Brian Pratt

UCI Design & Construction Services

Assistant Vice Chancellor & Campus Architect

“As a project manager for over a decade, I have never worked with a more insightful and professional team. They have helped me personally and professionally - contributing as mentors, colleagues, and experts -pushing the envelope on our team’s vision and success. Our wildest expectations were exceeded and our mutual clients at UC Irvine are thrilled.”

Dana Wiehe,

UCI TEM Facility Project Manager,

PCL Construction Services

For more information regarding the UC Irvine Project please visit <https://fms-corp.com/?projects=univ-california-irvine-uci-imri> and <https://dbia.org/project/university-of-california-irvine-transmission-electron-microscope-facility/> or contact:

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