

Title: Science Base for the Joining Technologies of the Future

Presenter: Stan A. David, PhD/Fellow

Time: 10:00am~10:40am, April 17, 2015

Place: F208, Intelligentized Robotic Welding Technology Lab, SJTU

Inviter: Prof. Shanben Chen, Dr. Huabin Chen



Stan A. David

Corporate Fellow and Group Leader Emeritus
Oak Ridge National Laboratory,
Oak Ridge, Tennessee

Dr. David received his Ph.D. degree in Metallurgical Engineering from the University of Pittsburgh. He was an adjunct professor at the University of Pittsburgh and Colorado School of Mines, and a Visiting Professor at Coventry University, United Kingdom. He joined Oak Ridge National Laboratory (ORNL) in 1977, and was the group leader of the Materials Joining Group in the Materials Science and Technology Division. In 2008, he retired as a Corporate Fellow of UT-Battelle (only 15 corporate fellows in ORNL so far), and currently is a consultant at ORNL.

He is a Fellow of AWS (the American Welding Society), TMS (The Minerals, Metals, and Materials Society), and American Association for the Advancement of Science, and ASM International. He is the founder and Editor-in-Chief of journal "Science and Technology of Welding and Joining", published by the Institute of Materials, London.

He is the recipient of the Arata Prize from IIW (the International Institute of Welding), Distinguished Alumnus Award from the University of Pittsburgh, the Elegant Work Prize from the Institute of Materials, London, for his publications on single crystal welding. In 1994 he was the recipient of the Champion H. Mathewson award from TMS and was awarded the 1981 Lincoln Gold Medal by the American Welding Society (AWS).

He has contributed to over 300 papers in the fields of solidification and welding metallurgy and is the editor of eight international conference proceedings. Along with Professor T. DebRoy they published the first and only paper in the very prestigious journals *SIENCE* and *REVIEWS OF MODERN PHYSICS* in the welding field.

Schedule for Stan's visit (4-17-2015)

10:00am-11:00am	Tour on Intelligentized Robotic Welding Technology Lab
	Seminar: Science base for the welding technology of the future
11:00am-11:40am	Take a tour our lab and laser manufacturing lab
11:40am-1:00pm	Lunch time at Da ZhiJu
After 1:00pm	Take a rest at hotel
6:30pm-8:00pm	Dinner