

[\(http://www.oakland.edu/\)](http://www.oakland.edu/)

MENU

Oakland University

School of Engineering
and Computer Science



The official newsletter serving students, alumni, faculty, staff and friends of the School of Engineering
and Computer Science at Oakland University.

January 2014
Volume 3 - Issue 1

when in the summer of 2012 he took part in the NSF and Dept. of Defense-funded Research Experience for Undergraduates program run by **Professor Laila Guessous** and **Professor Qian Zou** in the department of Mechanical Engineering at Oakland University.

- **Associate Professor Qian Zou** received a grant from General Motors: "Fretting Fatigue in Engine Block (Phase I)", PI Qian Zou, General Motors, \$84,386.06, (2013-2015)
- **Distinguished University Professor Sayed Nassar** has launched a two-year long effort to publish a new classroom textbook titled "Fastening and Joining Engineering," which is intended for teaching graduate and undergraduate courses on the book subject in academia, as well as to serve as a comprehensive desk reference for industry and scientific agencies in the US and world-wide. The new textbook will be published by a highly recognized US-based global publisher known for the highest quality engineering textbooks in circulation.
- **Dr. Nassar** has launched a two-year long effort to publish an extensively revised Second Edition of his "Handbook of Bolts and Bolted Joints," (ISBN: 0-8247-9977-1, John Bickford and Sayed Nassar, co-editors, 1998).
- In December, 2013 **Professor Linxiang Yang** received a \$22,000 grant from Suzhou Gas Equipment & Valve Manufacturing Company (China) for a project titled "Study on the valve of gas insulating joint and insulating flange of equipment;" a \$16,500 grant from Ford Motor Company for a project titled "3D Displacement Measurement on the in-take and exhaust valves in V engine;" and a \$10,000 grant from Chrysler LLC for a project "Improvement of Expanded Laser Beam in the Frontal Area System," respectively.
- **Dr. Yang** was invited by SPIE Newsroom to report his research group's recent innovative developments in Digital Shearography for fast non-destructive testing under dynamic loading. SPIE Newsroom is a technical news website operated by SPIE-The International Society for Optics and Photonics. The Newsroom invites only top researchers in their fields to write technical articles and breaking news which are culled from around the world. Dr. Yang was also invited by a peer-reviewed SCI Journal "The English Version of Chinese Journal of Mechanical Engineering" to write a review paper titled "Review of Electronic Speckle Pattern Interferometry (ESPI) for Three Dimensional Displacement Measurement" which will be published in January 2014.
- Sponsored by OU grant office, **Dr. Yang** and his research group has applied for two US patents for their recent developments which are "Spatial Phase-Shift Shearography System for NDT and Strain Measurement" and "Digital Shearography NDT System for Speckless Objects."
- Invited by a peer-reviewed SCI Journal: Optical Engineering, **Dr. Yang** is serving as a guest co-editor for two special sections titled "High-Speed 3-D Optical Metrology and Applications" and "Advances in Precision Optical Measurements and Instrumentation for Geometrical and Mechanical Quantities"
- **Xu Chen**, a PhD student of **Dr. Yang**, has recently published his research achievement titled "Cluster approach based multi-camera digital image correlation: Methodology and its application in large area high temperature measurement" in a peer-reviewed SCI Journal: Optics & Laser Technology.
- **Dr. Nan XU**, under adviser **Dr. Yang**, defended his Ph.D. in November 2013 on "Development of Digital Shearography for Quality Inspection of Spot Weld."



School of Engineering and Computer Science

248 Dodge Hall of Engineering
2200 N. Squirrel Road
Rochester, MI 48309-4478
(248) 370-2217
oakland.edu/secs/ (<http://www.oakland.edu/secs/>)
[facebook.com/ousecs](http://www.facebook.com/ousecs) (<http://www.facebook.com/ousecs>)

To unsubscribe from this mailing click [here \(http://www.oakland.edu/Newsletter/SubscribeUnsubscribe.aspx?sid=458&CategoryId=127%20\)](http://www.oakland.edu/Newsletter/SubscribeUnsubscribe.aspx?sid=458&CategoryId=127%20).

Printer Friendly Version ([Newsletter/ViewNewsletter.aspx?x=YTn6r2ViapMoCKtagUNEg%3d%3d&sid=1&print=1](http://www.oakland.edu/Newsletter.aspx?x=YTn6r2ViapMoCKtagUNEg%3d%3d&sid=1&print=1))



2200 N. Squirrel Road
Rochester, Michigan 48309-4401

(248) 370-2100 | [Contact OU](http://www.oakland.edu/contact) ([contact](http://www.oakland.edu/contact))

[Coordinate map of Auburn Hills Entrance \(https://www.google.com/maps/@42.672702,-83.220234,16z\)](https://www.google.com/maps/@42.672702,-83.220234,16z)

ACADEMIC DEPARTMENTS

[College of Arts and Sciences \(/cas\)](#)
[Business Administration \(/business\)](#)
[Education and Human Services \(/sehs\)](#)
[Engineering and Computer Science \(/secs\)](#)
[Health Sciences \(/ahs\)](#)
[Nursing \(/nursing\)](#)
[OUWB School of Medicine \(/medicine\)](#)
[Graduate Study \(/gradstudy\)](#)
[Honors College \(/hc\)](#)

INFO FOR

[Future Undergraduate Students \(/futurestudents\)](#)
[Future Graduate Students \(/grad\)](#)
[Current Students \(/students\)](#)
[Alumni \(/alumni\)](#)
[Faculty & Staff \(/faculty-and-staff\)](#)
[Doctors \(/http://www.ouupportou.com\)](#)

QUICK LINKS

[About OU \(/about\)](#)
[Academic Calendar \(/important-dates\)](#)
[Directory \(https://sail.oakland.edu/PROD/bwpkedir.P_Display/Directory\)](#)
[Jobs at OU \(/jobs\)](#)
[Information Technology \(/tech\)](#)
[University Offices \(/administration\)](#)
[Webmaster \(mailto:webmaster@oakland.edu\)](#)
[OU INC \(/ouinc\)](#)
[Macomb-OU INCubator \(/macombouinc\)](#)
LEGAL
[Privacy Statement \(/web-privacy\)](#)
[Policies & Regulations \(/policies\)](#)
[Emergency Preparedness \(/prepared\)](#)
[DMCA Notice \(/dmca\)](#)
[NCA Self-Study \(/self-study\)](#)

© 2014 Oakland University