CSI: Iowa
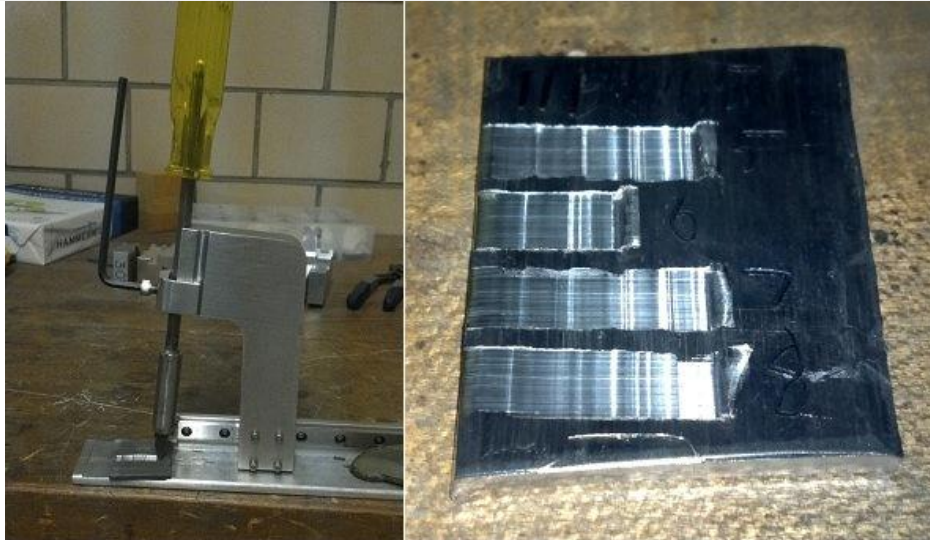

July 15, 2013

Any faithful viewer of television programs such as CSI: Crime Scene Investigation knows that tool marks can be used to convict the guilty and exonerate the innocent in a wide variety of crime investigations. In an effort to take the human judgment and guesswork out of tool mark analysis, MSE Professor Scott Chumbley, assisted initially by MSE Professor Larry Genalo, is using 3-D characterization methods and statistical methods to correlate a set of toolmarks with the tool that made them.

Read more.

MSE Highlights

Thank you to the anonymous friends of MSE who have stepped forward to endow the Dr. Mufit Akinc Scholarship in Materials Science and Engineering!

- This new scholarship will benefit students enrolled in Materials Science and Engineering with financial need.

MSE welcome two new staff members to the department:

- **Michelle Grawe** - Undergrad teaching lab manager
- **Cory Johns** - IT specialist

We have four new members joining our industrial advisory board:

- **Andy Thom** of Medtronic Energy and Component Center
- **Dan Sordelet** of Caterpillar
- **David Slutz** of Morgan Technical Ceramics
- **Meredith Berger Bell** of Emerson Process Management-Fisher Controls Int.

Faculty Accomplishments

- **Vitalij Pecharsky's** book on Fundamentals of Powder Diffraction and Structural Characterization of Materials has been named one of the top downloaded eBooks at Springer with a total of 30,029 chapter downloads since 2008!

- **Mufit Akinc** has been named to the Editorial Board of the Journal of Bioceramics Development and Applications.

- The sustainability minor (that **Richard LeSar** played a key role in developing) was called "one of the best in the nation" by Eric Sannerud, director of the Institute on the Environment (U. Minn.)

- **Krishna Rajan** was highlighted in an article "Data driven discoveries in materials science," in International Innovation, July 2013