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Materials Science and Engineering

IOWA STATE UNIVERSITY

College of Engineering



Elements

December 2015

[Karl Gschneidner eases into retirement after prolific career](#)

62 years at Ames Lab
and Iowa State

544 scientific
papers published

19,013 scientific
paper citations

240+ invited talks

15 patents



Mentor to:

26 Masters students

21 Ph.D. students

35 Post Docs

35 Visiting Scientists

Member of the
**National Academy
of Engineering**

Known internationally as
"Mr. Rare Earth"

Congratulations Fall 2015 Graduates!



Many of our MSE graduates (pictured above) gathered together to celebrate at a pre-Commencement reception held Saturday, Dec. 19 in Hoover Hall.

Undergraduates:

Xiaolin Bi
Skyler Conn
Brian Fuchs
Logan Johnson
Steven Kmiec
Justin Lox
Alexa Oser
Benjamin Trieu
Ryan Walker
Olivia Wilson
Paige Wilson

Graduate Students:

Daniel Cavanaugh (MS)
Boyce Chang (MS)
David Eisenmann (PhD)
Xiaoming Liu (PhD)
Weixing Sun (PhD)
Liang Tian (PhD)

Summer 2015 Graduate:

Andres Glasener

Spring 2016 Graduate:

Sarah Sprouse

- Steve Martin, Anson Marston Distinguished Professor in Engineering, was [awarded \\$3 million](#) in funding through the U.S. Department of Energy's Advanced Research Projects Agency-Energy (ARPA-E) OPEN 2015 program. Martin and collaborators at the University of Houston, University of Colorado at Boulder, Washington State University, and the small battery company Solid Power will work to develop an all-solid-state sodium battery.



- Brian Fuchs, a Mat E senior from Dubuque, IA, was named the [MSE Fall 2015 Outstanding Senior](#) by the College of Engineering.

- The [Iowa State University News Service](#) and the [Ames Tribune](#) recently featured Surya Mallapragada's work developing materials for tissue engineering and vaccines. Dr. Mallapragada is the inaugural Carol's Chair in Chemical and Biological Engineering, a professor of materials science and engineering, and an associate of the U.S. Department of Energy's Ames Laboratory (*photo by Christopher Gannon/Iowa State University*)





- **Patricia Thiel, Distinguished Professor of chemistry, materials science and engineering, and scientist at Ames Lab, is one of 12 women featured on the [2016 Women Impacting ISU](#) calendar. The calendar is produced by the Carrie Chapman Catt Center for Women and Politics.**

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