

MATERIAL SCIENCE & ENGINEERING



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210 CME



BATES, Jeff

Assistant Professor

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211 CME

Chemical Sensors; Polymer Surface Modification; Polymer Drug Delivery Devices; Polymer and Biological Adhesives



BEDROV, Dmitry

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211 CME

Multiscale Modeling of Materials for Energy Applications; Polymeric Materials; Self-Assembly; and Liquid Crystals.



BUTT, Darryl

Professor & Dean

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205 FASB

Materials for Extreme Environments; Sensors; Corrosives; EFRC



CHANDRAN, Ravi

Professor

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409 WBB

Modeling of Li-ion Batteries; Fracture & Failure Analysis of Engineering Structures; Computational Mechanical Behavior; Development of Orthopedic Implant Devices and Armor Materials



FANG, Zhigang Zak

Professor

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608 WBB

Cemented Tungsten Carbide; Metal Hydrides for Hydrogen and Thermal Energy Storage



FREE, Michael

Professor and Chair of Metallurgical Engineering

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417 WBB

Hydrometallurgy and Electrometallurgy Applied in Electrodeposition of Novel Materials



GURUSWAMY, Sivaraman

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425 WBB

Physical Metallurgy; Magnetic Materials; Magnetostrictive Alloys; THz and UV Plasmonic Materials; Materials Processing; Food and Energy Security; Thermoelectric Materials

Material Science & Engineering (continued)



Ji, Huiwen

Assistant Professor

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212 CME

Though crystalline materials are often characterized by periodic order, how correlated disorder and competing local forces give rise to unusual phenomena that are inaccessible to perfect crystals, yet are crucial for energy storage and other applications



Liu, Feng

Professor

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304 CME

Computation Materials Science; Theoretical Condensed-Matter Physics; Topological Materials



MILLER, Jan D.

Ivor D. Thomas Distinguished Professor

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215 WBB

Magnetostriuctive Materials



MOHANTY, Swomitra

Assistant Professor

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209A WBB

Titanium-Oxide Nanotubes for Organic Compounds (VOCs) Detection for Disease Diagnosis.



SCARPULLA, Michael

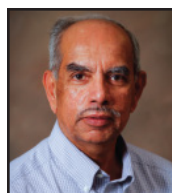
Associate Professor

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scarpulla@eng.utah.edu

2138 MEB

Semiconductors; Compound Semiconductors; Defects in Semiconductors; Photovoltaics



SHETTY, Dinesh

Professor

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311 CME

Technical Ceramics; Processing; Microstructure and Properties



SIMPSON, Michael

Professor

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415 WBB

Nuclear Fuel Pyroprocessing; Molten Salt Electrochemistry and Spectroscopy



SMITH, York

Adjunct Associate Professor

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410 WBB

Metal Oxide Nanostructures; Electrochemistry; Metals Recycling Technologies; Renewable Energy

Materials Science & Engineering (continued)



SOHN, Hong Yong

Distinguished Professor

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417 WBB

Chemical Synthesis of Inorganic Nanomaterials; Hydrogen Storage Materials Development



SPARKS, Taylor

Associate Professor

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314 CME

Machine Learning; Thermoelectrics; Batteries; Superhard Materials; Ceramics;
Materials Informatics; Big data; Synthesis; Characterization



STRINGFELLOW, Gerald

Distinguished Professor

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3110 MEB

Semiconductor Materials for Advanced Electronic Devices; LEDs and
Solar Cells



TIWARI, Ashutosh

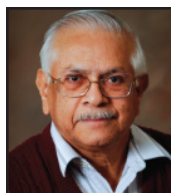
Professor

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317 CME

Nanostructured Materials; Thin Films; Electronic Materials; Magnetic Materials;
Radiation Sensors; Thermoelectricity



VIRKAR, Anil

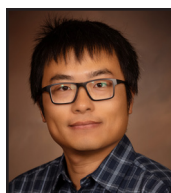
Distinguished Professor

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315/316 CME

Fuel Cells; Batteries; High Temperature Electrolysis. Fundamental Work on Thermo-
dynamics and Kinetics in High Temperature Ceramic Systems



WANG, Chen

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217 CME



ZANG, Ling

Professor

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SMBB 5543

Chemical Sensors; Nanomaterial; Nanostructure; Nanodevice; Electron Transfer;
Self-Assembly; Nano-Imaging; Photovoltaics; Organic Optoelectronics.