

MATERIAL SCIENCE & ENGINEERING



AKSAMIIJA, Zlatan **Associate Professor**
801-581-7994 zlatan.aksamija@utah.edu 210 CME



BATES, Jeff **Assistant Professor**
801-581-8737 jeff.bates@utah.edu 211 CME
Chemical Sensors; Polymer Surface Modification; Polymer Drug Delivery Devices;
Polymer and Biological Adhesives



BEDROV, Dmitry **Professor and Associate Chair**
801-581-6863 d.bedrov@utah.edu 211 CME
Multiscale Modeling of Materials for Energy Applications; Polymeric Materials;
Self-Assembly; and Liquid Crystals.



BUTT, Darryl **Professor & Dean**
801-581-7009 darryl.butt@utah.edu 205 FASB
Materials for Extreme Environments; Sensors; Corrosives; EFRC



CHANDRAN, Ravi **Professor**
801-581-7197 ravi.chandran@utah.edu 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**
801-581-8128 zak.fang@utah.edu 608 WBB
Cemented Tungsten Carbide; Metal Hydrides for Hydrogen and Thermal Energy Storage



FREE, Michael **Professor and Chair of Metallurgical Engineering**
801-585-9798 michael.free@utah.edu 417 WBB
Hydrometallurgy and Electrometallurgy Applied in Electrodeposition of Novel Materials



GURUSWAMY, Sivaraman **Professor and Assoc. Dean**
801-581-7217 s.guruswamy@utah.edu 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

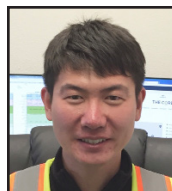
801-585-7171

huiwen.ji@utah.edu

Assistant Professor

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



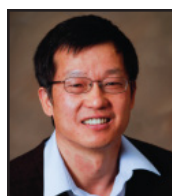
JIN, Jiaqi

801-581-6386

jiaqi.jin@utah.edu

Assistant Professor

204 WBB



Liu, Feng

801-587-7719

fl5@utah.edu

Professor

304 CME

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



MILLER, Jan D.

801-581-5160

jan.miller@utah.edu

Ivor D. Thomas Distinguished Professor

215 WBB

Magnetostrictive Materials



MOHANTY, Swomitra

801-587-7299

swomitra.mohanty@utah.edu

Assistant Professor

209A WBB

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



SCARPULLA, Michael

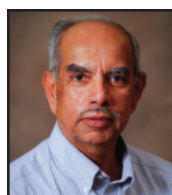
801-585-1231

scarpulla@eng.utah.edu

Associate Professor

2138 MEB

Semiconductors; Compound Semiconductors; Defects in Semiconductors; Photovoltaics



SHETTY, Dinesh

801-581-6449

d.shetty@utah.edu

Professor

311 CME

Technical Ceramics; Processing; Microstructure and Properties



SIMPSON, Michael

801-581-4013

michael.simpson@utah.edu

Professor

415 WBB

Nuclear Fuel Pyroprocessing; Molten Salt Electrochemistry and Spectroscopy

Materials Science & Engineering (continued)



SOHN, Hong Yong

Distinguished Professor

801-581-5491

h.y.sohn@utah.edu

417 WBB

Chemical Synthesis of Inorganic Nanomaterials; Hydrogen Storage Materials Development



SPARKS, Taylor

Associate Professor

801-581-8632

sparks@eng.utah.edu

314 CME

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



STRINGFELLOW, Gerald

Distinguished Professor

801-581-8387

stringfellow@coe.utah.edu

3110 MEB

Semiconductor Materials for Advanced Electronic Devices; LEDs and Solar Cells



TIWARI, Ashutosh

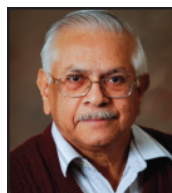
Professor

801-585-1666

tiwari@eng.utah.edu

317 CME

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



VIRKAR, Anil

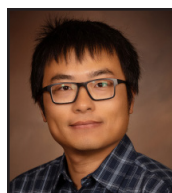
Distinguished Professor

801-581-5396

anil.virkar@m.cc.utah.edu

315/316 CME

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



WANG, Chen

Assistant Professor

801-581-6597

chen.wang@utah.edu

217 CME



ZANG, Ling

Professor

801-587-1551

lzang@eng.utah.edu

SMBB 5543

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