Materials Science and Engineering
Spring 2016 Graduate Seminar Series
Florida Gym 270
Tuesday, 4:05—4:55 p.m.

January 5
Dr. Jiangeng Xue
University of Florida
Overview

January 12
Dr. Tom Seidel
Seitek50
Adventures in
Semiconductors at the
Atomic Level

January 19
Dr. Benjamin Boesl
Florida Intl U
Advanced Materials
Response and Design
using In-situ Electron
Microscopy

January 26
Dr. Stephen Wolf
Wolf Group
Nonclassical Crystallization
in Biomimetic and Biological
Mineralization Processes

February 2
Dr. Greg Walker
Vanderbilt University
Modeling thermal transport at
van der Waals interfaces, from
parameterized classical MD to
DFT forces

February 9
Dr. Lynn Loo
Princeton University
Controlling structural
development in molecular
semiconductor thin films via
post-deposition processing

February 16
Dr. Quentin Pankhurst
University College London
TBA

February 23
Dr. Andrea Corrion
HRL Labs
An Overview of HRL
Laboratories and One
Scientist’s Experiences in
Industrial R&D

March 8
Dr. Roger Narayan
U of North Carolina
Additive Manufacturing at
Small Length Scales for
Medical Applications

March 15
Dr. Jordan Miller
Rice University
Stereolithography of
Engineered Tissues
Containing Interpenetrating
Vascular Networks

March 22
Dr. David Ginger
U of Washington
Imaging and exploring
the local behavior of
magnetic nanomaterials via
Lorentz TEM.

March 29
Dr. Amanda Petford-Long
Argonne National Lab
Optical and electrical gains
of metal nanostructures in
organic and quantum dot
solar cells

April 5
Dr. Jung-Yong Lee
KAIST
Optical and electrical gains
of metal nanostructures in
organic and quantum dot
solar cells

April 12
Dr. Teri Odom
Northwestern U
Nanoparticle Lasing
Spasers

April 19
Dr. Treena Arinzeh
NJ Institute of Technology
Functional Biomaterials
for Stem Cell
Tissue Engineering