

## Thursday, July 30, 2015

1:30-2:00

“SHARED EPR: A Network of EPR Investigators”

Gary Gerfen (Discussion Leader)

Albert Einstein College of Medicine

2:00-2:45

“High sensitivity ESR with high spatial resolution: methodologies and applications”

Aharon Blank

Technion – Israel Institute of Technology

2:45-3:30

"Single-chip Electron Paramagnetic Resonance Transceivers in Silicon"

Aydin Babakhani

Rice University

3:30-3:45 Break

3:45-4:30

“Resonating (and non-resonating) microstructures for broad-band electrically and optically detected magnetic resonance spectroscopy”

Christoph Boehme

University of Utah

4:30-5:15

“Pushing the sensitivity limits for EPR of small samples with micro-fabricated planar resonators.”

Dieter Suter

Technical University of Dortmund

5:15-5:45

Breakout sessions/Discussion

## Friday, July 31, 2015

9:00-9:45

“Single spin sensors: the new paradigm in ultrasensitive EPR and NMR?”

Jörg Wrachtrup

University of Stuttgart

9:45-10:30

“EPR detection on microchips - on the way to single cell detection”

Alex Angerhofer

University of Florida

10:30-11:15

“Scaling rules, detection methods, and future directions for EPR”

Gareth Eaton

University of Denver

11:15-12:00

General Discussion/Breakout sessions/White Paper Outline