

NRI TPG Teleconference

Thursday, March 2, 2017

4:00p Eastern / 3:00p Central / 2:00p Mountain / 1:00p Pacific

Attendees:

An Chen (NRI)
Luigi Colombo (TI)
Curt Richter (NIST)
Steve Kramer (Micron)
Ravi Pillarisetty (Intel)
Ching-Tzu Chen (IBM)
Yaw Obeng (NIST)
Todd Younkin (SRC)
Wilfried Haensch (IBM)

*****Please refer to charts shown in WebEx. They are on the NRI website. From My SRC page, go to bottom and click NRI Technical Program Group, then click on Meeting Results tab*****

Agenda:

- NRI personnel change
- NRI IP update
- E2CDA (NRI) on-site reviews
- NRI-NIST and E2CDA (NRI) semi-annual reports
 - Need volunteers to review reports
- Open mic

NRI personnel change

Mary Altman has taken over support for NRI and nCore. She can be contacted at mary.altman@src.org or 919-941-9448. She has experience with supporting the SRC Focus Center Research Program, but will now support both NRI and GRC activities. She will attend the NRI Review in October.

There have been some other changes in SRC personnel, however the only change for NRI is administrative support. All activities that have been planned will not change.

NRI IP update

A patent has been issued for Professor Ghosh / UVA – Graphene Device including Angular Split Gate. There is another [provisional-IP disclosure](#) from the same PI which is [pendingwaiting to be submitted to TPG to review](#). They are looking to determine if prior art exists before moving forward.

We approved four IP's last year. They are provisional filings, meaning we have a year to decide if we want to move forward with a full filing. The earliest one is July 2017. We will have to decide soon whether to file or not. An will meet with the SRC patent expert to determine the estimated costs and maintenance fees. We will discuss the budget in future meetings.

E2CDA (NRI) on-site reviews

First E2CDA onsite review was held on February 16. We had four onsite industry attendees, and others attended remotely. Presentations are available on the SRC website

May 11th at Penn State is the next one. PI was able to arrange this review which allows you to also attend a [23D materials](#) workshop. Luigi was a key note speaker last year for the workshop.

Mary will follow up with the lead PI and connect with the liaison for the center. If you are interested in attending, we can get you registered without having to pay the registration fee for the workshop.

NRI-NIST and E2CDA (NRI) semi-annual reports

All of the Center reports have been submitted. The semi-annual report is a NIST requirement. We extended this requirement to include the E2CDA projects and the Benchmarking. We need your assistance in reviewing/editing these reports. The final Center reports are due to NIST by March 31. We will also make the E2CDA reports available on the SRC website for member access and consolidate for NSF. Please edit the report for inconsistencies and errors. You can use the word version and track changes.

Mary will send a link to access the reports for editing. Reviewed/edited reports are due back to SRC by March 15th. This allows time to ask for revisions from the Center and then submit the final version to NIST by the due date of March 31.



Review Semi-Annual Reports



Deadline: Mar. 31 to submit NRI-NIST center reports to NIST

Review timeline: Please return feedback by Mar. 15; center revision Mar. 15-30

Centers/Projects	Volunteer reviewers
INDEX center	Wilfried Haensch
SWAN center	Ravi Pillarisetty
CNFD center	Steve Kramer
Benchmarking	Dmitri Nikonov
EXtremely Energy Efficient Collective ELelectronics (EXCEL)	Steve Kramer, Seyoung Kim , Wilfried Haensch
Excitonic Devices	Dmitri Nikonov
Electronic-Photonic Integration Using the Transistor Laser for Energy-Efficient Computing	
Memory, Logic, and Logic in Memory Using Three Terminal Magnetic Tunnel Junctions	Ching-Tzu Chen
2D Electrostrictive FETs for Ultra-Low Power Circuits and Architectures	
Energy Efficient Learning Machines (ENIGMA)	Geoff Burr

Open mic

An explained the NSF review process and how the E2CDA projects were selected.

Reviewed the scheduled events for the year. The final NRI Annual Review will be held at the same place as last year.

Meeting adjourned at 4:44 pm ET.

Next NRI TPG meeting is currently scheduled for: Date:

Wednesday, April 5, 2017

Time: 4p Eastern / 3p Central / 2p Mountain / 1p Pacific