DOE CATALYSIS WORKING GROUP MEETING

January 21, 2015

Los Alamos National Laboratory, Los Alamos, New Mexico Quantum Institute Room, MPA-11, Building SM-40, Technical Area 3 (TA-3)

Co-Chairs: Piotr Zelenay (LANL) and Nancy Garland (DOE)

Agenda

8:30 - 9:00	Arrival; coffee, soft drinks, bagels & doughnuts
9:00 - 9:05	Welcome and Introduction Nancy Garland (DOE) and Piotr Zelenay (LANL)
9:05 - 11:15	Final Discussion of Non-Precious Metal Catalyst Performance Targets and Protocols
9:05	Summary of the Process to Date Piotr Zelenay (LANL)
9:35	Discussion
	Plamen Atanassov (UNM) Scott Calabrese Barton (Michigan State) Nilesh Dale (Nissan) Barr Halevi (Pajarito Powder) Di-Jia Liu (ANL) Sanjeev Mukerjee (Northeastern)
	Other participants welcome
11:00	Summary and Path Forward Nancy Garland (DOE)
11:15 - 11:55	Microstructural Characterization of Non-PGM ORR Catalysts Karren More (ORNL)
11:55 - 13:15	Lunch in LANL Cafeteria (short walk)
13:15 - 13:55	Catalysts with Ultra-Low PGM Content Vojislav Stamenkovic (ANL)
13:55 - 14:20	Improving Stability and Activity of Pt Monolayer in Non-Pt Core-Shell Electrocatalysts Radoslav Adzic (BNL)

14:20 - 15:00	Microstructural Characterization of Extended Surface PGM Catalysts by Advanced Electron Microscopy Methods David Cullen (ORNL)
15:00 - 15:15	Challenge of Catalyst Scale-up for MEA Integration Madeleine Odgaard (IRD Fuel Cells)
15:15 - 15:45	Scale-up Challenges of Novel (Pt-centric) Catalysts Bryan Pivovar (NREL)
15:45 - 16:10	Engendering Poison Tolerance in PGM Catalysts; Possible New Directions in Electrocatalysis Sanjeev Mukerjee (Northeastern University)
16:10 - 16:20	Very Brief Account from Electrocatalysis-Relevant Discussion at Durability Working Group in Chicago Last December Rod Borup (LANL)
16:20 - 16:40	Catalysis Working Group – Near-Future Tasks
16:40 - 17:00	Miscellaneous items; wrap-up
17:00	Adjourn

19:00 Dinner in a Santa Fe restaurant (TBD; no host)