
CEAR Annual Meeting on October 20, 2005

1110 Burlington Engineering Labs, North Carolina State University
Raleigh, NC

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1. (8:30) Welcome, Introduction, and Associates Program Overview – **RPG**
2. (8:40) Description of Associates Program Operation – **RPG**
3. (8:45) CVS Depository for Modularized CEAR Computer Resources – **RPG** and **X. Han**
4. (8:55) Code Package Developments on the Monte Carlo – Library Least-Squares (MCLS) Approach for PGNA and EDXRF – **RPG**, **X. Han**, and **F. Li**
5. (9:20) Radioactive Particle Tracking – **Ashraf Shehata**

(9:45) COFFEE BREAK

6. (10:00) The CEARPGA Code for Coincidence PGNA Monte Carlo Simulation – **X. Han**
7. (10:35) Multiphase Flow Measurement Research in Bergen – **Geir Johansen**,
Visiting Professor from the University of Bergen, Norway
8. (11:05) Detector Response Function Development for MCNP Use – **Avneet Sood**
and **X. Han**
9. (11:20) Gamma-Ray Thickness Gauge Modeling – **F. Li**

(11:40) LUNCH

10. (1:00) Simultaneous Modeling of the Density, Porosity, and C/O Logs – **F. Li**
11. (1:15) Recent Advances in EDXRF Research – **RPG** and **F. Li**
12. (1:30) Carbon Oxygen Log Research – **X. Han** and **A. Shehata**
13. (1:45) Prompt Gamma-Ray Imaging Using the GEANT4 Code – **L. Xu**

(2:15) SODA BREAK

14. (2:30) Recent and Proposed MCNP Changes – **Avneet Sood**
15. (2:50) Status of Monte Carlo Book – **RPG** and **Avneet Sood**
16. (3:00) Current Oil Well Logging Tools; Can we do more? – **RPG**

(3:15) Future Proposals:

- (1) NEER on PGNA Using Coincidence Counting
- (2) NIH on Prompt Gamma-Ray Imaging (PGI) of Mice to NIBIB

(3:30) Future Associates Program Research – Open Discussion

(4:00) ADJOURNMENT

October 21, 2005: Morning available for private discussions.