

CCArray Scientific Workshop

Pacific Geoscience Centre

Wednesday August 16, 2017

Times are approximate

I. Context for CCArray (chair: Katherine Boggs)

- 08:30 Welcome (Phil Hill)
- 08:35 Background on CCArray (Dave Eaton)
- 09:00 Earthscope (Jeff Freymueller)
- 09:07 IRIS (Bob Woodward)
- 09:14 UNAVCO (Meghan Miller)
- 09:21 NSF (Margaret Benoit)
- 09:30 GNSS workshop summary (Tom James)
- 09:45 Poster summaries for Day 1 - Yajing Liu (Induced Seismicity)
Ali Mahani (Induced Seismicity), Kristin Rohr (Winona Block)

10:00 *Morning break and poster viewing*

II. Understanding and mitigating hazards (chair: Katherine Boggs)

- 10:30 Keynote presentation (Honn Kao)
- 11:00 Lightning presentations
Joe Henton (Early Earthquake Warning), Stuart Venables (Induced Seismicity),
Frank Vernon (forest fires), Katherine Boggs (floods), ...
- 11:05 Panel presentations: James Kirkpatrick, Dave Eaton, Peter Bobrowsky
- 11:30 Discussion

- 11:55 tally of hands for dinner at Beacon Landing

- 12:00 *BBQ lunch - Cafeteria (wear your name badges to sign in)*

III. Plate-boundary processes (chair: Tom James)

- 13:15 Keynote presentation (Jeff Freymueller)
- 13:45 Lightning presentations - Kristin Rohr (Queen Charlotte Terrace), Yan Jiang (Some potential science targets for a GNSS array in the Canadian Cordillera), ...
- 13:47 Panel presentations: Julie Elliot, Herb Dragert, Garry Rogers
- 14:05 Discussion

- 14:30 *Afternoon break and poster viewing*

IV. Offshore science (chair: Tom James)

- 15:00 Overview of Ocean Networks Canada/seafloor geodesy (Martin Scherwath/Martin Heesemann)
- 15:30 Ocean bottom seismometers (Pascal Audet, remote)

Summary and Discussion (Day 1)

- 15:50 General discussion
- 16:30 Wrap-up, instructions for tomorrow (posters)

18:30 Group Dinner (self pay) at Beacon Landing, 2537 Beacon Ave, Sidney,

CCArray Scientific Workshop

Pacific Geoscience Centre

Thursday August 17, 2017

Times are approximate

V. Geological and atmospheric processes (chair: Honn Kao)

- 08:15 Large igneous provinces (Richard Ernst - remote)
- 08:35 Assembly of Western North America (Mitch Mihalynuk)
- 08:50 Weather Data (Roland Stull)
- 09:10 Serendipitous applications of USArray data (Frank Vernon)
- 09:30 lightning presentations
Tom Brocher (USGS Interests), Katherine Boggs (Critical Zone), ...
- 09:40 Discussion
- 10:10 poster summaries (Hersh Gilbert (geothermal), Meghan Miller (various GNSS)
Katherine Boggs (hydrothermal/hot springs, geo bumble bee, quake catcher, spring water)

- 10:30 *Morning break and poster viewing*

VI. How does backarc deformation couple with plate-boundary processes? (Chair: Honn Kao)

- 10:50 Keynote presentation (Roy Hyndman)
- 11:10 Panel presentations: Lucinda Leonard, Martyn Unsworth, Eva Enkelmann
- 11:25 Lightning presentations (Hersh Gilbert (geothermal), Ben Edwards/Graham Andrews
Nathan Hayward (Crustal Structure), Mostafa Fayek (U Manitoba geochemistry), ...
- 11:30 Discussion

- 12:00 *Lunch (show badge in cafeteria for sandwiches)*

VII. Geodesy, cryosphere, and climate (chair: Dave Eaton)

- 13:00 Panel presentations: Meghan Miller, Calvin Klatt, Tom James
- 13:25 Lightning presentations, Tyson Altenhoff (GeoBC)
Joe Henton (absolute gravity), Julie Elliott (GNSS networks), ...
- 13:30 Discussion

- 14:00 *Afternoon break and poster viewing*

VIII. Education, Outreach, and Communication

- 14:30 EOC plans for CCArray (Katherine Boggs)
- 15:00 Lightning presentations and discussion

Summary and Discussion (Day 2)

- 15:30 General discussion and workshop wrap-up