

**9<sup>th</sup> International Workshop on Air Quality Forecasting Research**  
**Boulder, Colorado**  
**November 7-9, 2018**  
***Program as of 20181105***

**Day 1: Wednesday, 07 Nov 18**

0730 - 0820 Registration/refreshments  
0820 - 0830 Welcome and opening remarks - Eric Williams, NOAA ESRL CSD  
0830 - 1000 Keynote address - Pieter Levelt, KNMI  
0915 - 1000 Keynote address - Paul Miller, NESCAUM

1000 - 1020 *Break (refreshments provided)*

**Session 1: Progress in Operational Forecasting - U.S. and International Perspectives**

*Co-chairs: Ivanka Stajner, NOAA NWS; Radenko Pavlovic, ECCC*

1020 - 1040 Radenko Pavlovic - ECCC  
1040 - 1100 Ivanka Stajner - NOAA NWS  
1100 - 1120 Paul Agnew - UK Met Office  
1120 - 1140 Claire Granier - ECMWF  
1140 - 1200 Veronique Bouchet - ECCC

1200 - 1320 *Lunch (provided)*

**Session 2: Modeling Methods - Data Assimilation, Inline Coupling, etc.**

*Co-chairs: Stuart McKeen, CIRES/NOAA ESRL CSD; Christoph Keller, NASA GMAO*

1320 - 1340 Susan O'Neill - USDA Forest Service  
1340 - 1400 Christoph Keller - NASA GMAO  
1400 - 1420 Li Zhang - CIRES/NOAA ESRL GSD  
1420 - 1440 Robin Stevens - ECCC  
1440 - 1500 Rajesh Kumar - NCAR  
1500 - 1520 Mariusz Pagowski - CIRES/NOAA ESRL GSD

1520 - 1540 *Break (refreshments provided)*

1540 - 1600 Arthur Mizzi - CDPHE APCD  
1600 - 1620 Tianfeng Chai - NOAA ARL  
1620 - 1640 Zhiquan Liu - NCAR  
1640 - 1700 Andreas Uppstu - Finnish Meteorological Institute  
1700 - 1720 Paul Bieringer - Aeris LLC  
1720 - 1740 Irina Djalalova - CIRES/NOAA ESRL PSD

**Poster Session** *Co-chairs: Heather Morrison, ECCC; Eric Williams, NOAA ESRL CSD*

1745 - 2000 **15 Posters; reception (food provided); cash bar**  
Jim Leitch - Ball Aerospace  
Audra McClure-Begley - CIRES/NOAA ESRL GMD  
Mary Clare Hano - USEPA

Simone Tilmes - NCAR  
Barbara Scherllin-Pirscher - ZAMG, Vienna, Austria  
Mehrez Samaali - ECCC  
Diane Pendlebury - ECCC  
John Kent - NY DEC  
Jodie Clark - CAARE SJSU  
Patrick Campbell - US EPA  
Barry Baker - NOAA/ARL  
Andrew Teakles - ECCC  
Yulia Zaitseva - ECCC  
Arthur Mizzi - CDPHE/APCD  
Radenko Pavlovic - ECCC

## **Day 2: Thursday, 08 Nov 18**

### **Session 3: Emissions and Inventories**

*Co-chairs:* Mike Moran, ECCC; Greg Frost, NOAA ESRL CSD

0800 - 0820 Agustín Garcia - Universidad Nacional Autónomos de Mexico  
0820 - 0840 Mike Moran - ECCC  
0840 - 0900 Megan Bela - CIRES/NOAA ESRL CSD  
0900 - 0920 Claire Granier - Laboratoire d'Aerologie & CIRES/NOAA ESRL CSD  
0920 - 0940 Barry Baker - NOAA ARL  
0940 - 1000 Diane Pendlebury - ECCC

1000 - 1020 *Break (refreshments provided)*

### **Session 4: Urban AQ Forecasting**

*Co-chairs:* Sang-Mi Lee, SCAQMD; Paul Miller, SCAUM

1020 - 1040 Brian McDonald - CIRES/NOAA ESRL CSD  
1040 - 1100 Rodrigo Munoz-Alpizar - ECCC  
1100 - 1120 Aaron Piña - Aeris LLC  
1120 - 1140 Janaina Nascimento - University of Saõ Paolo  
1140 - 1200 Michael Geigert - CT DEEP

1200 - 1330 *Lunch (provided); poster viewing*

### **Session 5: Using Observations for Model Evaluation and Improvement**

*Co-chairs:* Jim Crawford, NASA LaRC; Rick Saylor, NOAA ARL

1330 - 1350 Mike Moran - ECCC  
1350 - 1410 Stefano Alessandrini - NCAR  
1410 - 1430 Fabienne Reisen - CSIRO  
1430 - 1450 Gabriele Pfister - NCAR  
1450 - 1510 Zhifeng Yang - UM Baltimore County  
1510 - 1530 Jeff McQueen - NOAA NWS  
1530 - 1550 Stuart McKeen - CIRES/NOAA ESRL CSD

1600 *Adjourn oral sessions; afternoon/evening free time*

**Day 3: Friday, 09 Nov 18**

**Session 6: Emerging Topics for AQ Forecasting - 7**

*Co-chairs:* Mike Moran, ECCC; Ana Rappold, US EPA

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|-------------|---|
| 0800 - 0820 | Mike Newchurch - UA Huntsville  |
| 0820 - 0840 | Pius Lee - NOAA/ARL   |
| 0840 - 0900 | Christos Fountoukis - Qatar Environment and Energy Research Institute |
| 0900 - 0920 | Yongtao Hu - Georgia Institute of Technology                          |
| 0920 - 0940 | Ravan Ahmadov – CIRES/NOAA ESRL GSD                                   |
| 0940 - 1000 | Melissa Maestas - University of Colorado                              |
| 1000 - 1020 | Marilee Long - Colorado State University                              |
| 1020 - 1040 | <i>Break (refreshments provided)</i>                                  |

**Session 7: Research Needs - US and International Perspectives**

*Panel Moderators:* Heather Morrison, ECCC; Eric Williams, NOAA ESRL CSD

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|-------------|-------------------------|
| 1040 - 1200 | Panel Discussion        |
| 1200 - 1215 | Closing remarks         |
| <b>1215</b> | <b>Meeting adjourns</b> |

**Welcome remarks**

Eric Williams - NOAA ESRL CSD

**Keynote addresses**

Pieter Levelt - KNMI Netherlands

Paul Miller - NESCAUM

**Session 1: Progress in Operational Forecasting - US and Int'l Perspectives**

Ivanka Stajner - NOAA NWS

Radenko Pavlovic - Environment Canada

**Session 2: Modeling Methods - Data Assimilation, Inline Coupling, etc.**

Stuart McKeen - CIRES/NOAA ESRL CSD

Christoph Keller - NASA GMAO

**Poster Session**

Heather Morrison - Environment Canada

Eric Williams - NOAA ESRL CSD

**Session 3: Emissions and Inventories**

Mike Moran - Environment Canada

Greg Frost - NOAA ESRL CSD

**Session 4: Urban AQ Forecasting**

Sang-Mi Lee - SCAQMD

Paul Miller - NESCAUM

**Session 5: Using Observations for Model Evaluation and Improvement**

Jim Crawford - NASA

Rick Saylor - NOAA ARL

**Session 6: Emerging Topics for AQ Forecasting**

Mike Moran - Environment Canada

Ana Rappold - US EPA

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Heather Morrison - Environment Canada

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