

SHORT COURSE ON NWP SYSTEM COMPONENTS USING CONTAINER TECHNOLOGY

SHORT COURSE ORGANIZER

Jamie K. Wolff

AMS COMMITTEE ON WEATHER AND FORECASTING

Rebecca D. Adams-Selin, Chairperson

Clark Evans, Alicia M. Bentley, Louisa Bogar Nance, Joseph Slezak, Cyrena-Marie Arnold, Robert F. Banks, Martin A. Baxter, James I. Belanger, Jason C. Furtado, Gail I. Hartfield-Supina, Justin McLay, Shawn M. Milrad, Sam Ng, Jonathan C. Porter, Alex Tardy, Jennifer E. Tate, Jerry W. Wegiel, Nusrat Yussouf, Christopher D. McCray

SATURDAY, 5 JANUARY 2019

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| 8:30 A.M. ARRIVAL AND INTRODUCTIONS | JAMIE WOLFF |
| 8:45 A.M. WHY USE CONTAINERS? INTRODUCTION TO DOCKER | JAMIE WOLFF |
| 9:15 A.M. PARTICIPANTS INSTALL COURSE CONTAINERS ON LAPTOPS | JOHN HALLEY GOTWAY |
| 9:30 A.M. INTRODUCTION TO CONTAINERIZED NWP (WPS/GSI/WRF/UPP) AND CASE STUDY OVERVIEW | JAMIE WOLFF |
| 9:40 A.M. PARTICIPANTS RUN WPS, GSI, WRF, AND UPP CONTAINERS FOR SELECT CASE(S) | JOHN HALLEY GOTWAY |
| 10:00 A.M. COFFEE BREAK | |
| 10:30 A.M. DOCKER ORIENTATION | JOHN HALLEY GOTWAY MIKE KAVULICH JR. |
| 11:30 A.M. MODIFYING WPS/GSI/WRF/UPP RUN-TIME OPTIONS WITHIN THE CONTAINER | MIKE KAVULICH JR. |
| 12:10 P.M. SHORT COURSE LUNCHEON (ON YOUR OWN) | |
| 1:30 P.M. INTRODUCTION TO CONTAINERIZED VISUALIZATION (NCL) AND MODIFYING FOR USER-SPECIFIED NEEDS | MIKE KAVULICH JR. |
| 1:40 P.M. PARTICIPANTS RUN NCL CONTAINER USING OUTPUT FROM DTC-NWP CONTAINER | MIKE KAVULICH JR. |
| 1:50 P.M. INTRODUCTION TO CONTAINERIZED VERIFICATION TOOLS (MET) AND MODIFYING FOR USER-SPECIFIED NEEDS | TARA JENSEN |
| 2:30 P.M. PARTICIPANTS RUN MET CONTAINERS USING OUTPUT FROM EARLIER EXERCISE | JOHN HALLEY GOTWAY |
| 3:00 P.M. COFFEE BREAK | |
| 3:30 P.M. INTRODUCTION TO CONTAINERIZED PLOTTING OF STATISTICAL OUTPUT (METViewer) | TARA JENSEN |
| 3:50 P.M. PARTICIPANTS RUN METVIEWER CONTAINER | JOHN HALLEY GOTWAY |

**4:30 P.M. REVIEW TAKE-AWAY CONCEPTS DEMONSTRATED DURING JAMIE WOLFF
THE COURSE; SOLICIT EXPERIENCES FROM HANDS-ON EXERCISES;
ANSWER ANY REMAINING QUESTIONS**

5:00 P.M. END COURSE