

C R O A T I A N - U S A



# Workshop on Mesometeorology

18 - 20 June 2012

Ekopark Kraš Resort near Zagreb, Croatia

## ORGANIZING INSTITUTIONS



Meteorological and Hydrological  
Service of Croatia



School of Meteorology,  
University of Oklahoma



Geophysical Institute,  
University of Zagreb

Croatian - USA Workshop on Mesometeorology is jointly organized by the Croatian Meteorological and Hydrological Service (DHMZ), School of Meteorology of the University of Oklahoma (OU), and Geophysical Institute of the University of Zagreb (UZ). The Workshop will be organized within the framework of the existing collaboration agreement among the DHMZ, OU, and UZ.

The Workshop program focuses on selected problems of today's mesoscale meteorology and includes keynote presentations (invited lectures; IL) by recognized scientific experts in the area, presentations by participants, and discussion sessions.

### ORGANIZING COMMITTEE

Kreso Pandzic, *Croatia (Chairman)*

Evgeni Fedorovich, *USA (Vice Chairman)*

Branko Grisogono, *Croatia*

Maja Telisman Prtenjak, *Croatia*

John Snow, *USA*

*All section and presentation titles below are tentative!*

## WORKSHOP PROGRAM

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### Sunday, 17 June 2012

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Arrival of participants, early registration

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### Monday, 18 June 2012

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|---------------|---|
| 08:30 - 09:00 | Registration at the Workshop venue. Coffee.   |
| 09:00 - 09:30 | Welcoming address by representatives of<br>Meteorological and Hydrological Service of Croatia<br>School of Meteorology of the University of Oklahoma<br>Geophysical Institute of the University of Zagreb |
| 9:30 - 18:15  | Topic area 1: Theory, Modeling, and Simulation.<br>Chair: NN  |
| 09:30 - 10:30 | IL1: Alan Shapiro, USA<br>"Theory of slope flows and low-level jets"  |
| 10:45 - 11:00 | Discussion  |

- 11:00 - 11:30 Coffee break*
- 11:15 - 12:15 IL2: Branko Grisogono, Croatia  
"Mountain waves and bora-like flows"
- 12:15 - 12:30 Discussion
- 12:30 - 13:30 Lunch break*
- 13:30 - 14:30 IL3: Evgeni Fedorovich, USA  
"Numerical simulation of turbulent slope flows"
- 14:30 - 14:45 Discussion
- 14:45 - 15:15 Coffee break*
- 15:15 - 16:15 IL4: Christian Barthlott, Germany  
"Numerical modeling of mesoscale flows in mountainous regions"
- 16:15 - 16:30 Discussion
- 16:30 - 17:00 Coffee break*
- 17:00 - 18:00 IL5: Dmitrii Mironov, Germany  
"Turbulence and land-surface parameterizations for mesoscale models"
- 18:00 - 18:15 Discussion
- 19:00 - 22:00 Workshop Dinner*

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### **Tuesday 19 June 2012**

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- 9:00 - 12:15 Topic area 2: Observations and Fundamentals  
Chair: NN
- 09:00 - 10:00 IL6: David Whiteman, USA  
"Observational studies of mesoscale flows in complex topography"
- 10:00 - 10:15 Discussion
- 10:15 - 10:45 Coffee break*
- 10:45 - 11:45 IL7: David Raymond, USA  
"Mesoscale convection"
- 12:00 - 12:15 Discussion
- 12:30 - 13:30 Lunch break*
- 13:30 - 18:00 Topic area 3: Advances in Theoretical, Applied, and Operational  
Mesometeorology  
Presentations of selected papers by participants  
Chair: NN
- 14:00 - 14:15 Oral presentation 1
- 14:15 - 14:30 Oral presentation 2
- 14:30 - 14:45 Oral presentation 3
- 14:45 - 15:00 Oral presentation 4
- 15:00 - 15:15 Oral presentation 5
- 15:15 - 15:30 Oral presentation 6
- 15:30 - 16:00 Coffee break*
- 16:00 - 16:15 Oral presentation 7
- 16:15 - 16:30 Oral presentation 8
- 16:30 - 16:45 Oral presentation 9
- 16:45 - 17:00 Oral presentation 10

17:00 - 15:15 Oral presentation 11  
17:15 - 17:30 Oral presentation 12  
*17:30 - 18:00 Coffee break*  
18:00 - 19:00 Discussion  
19:00 - 21:00 Poster Viewing Session and Refreshments

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### **Wednesday 20 June 2012**

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9:00 - 18:00 Topic area 4: Data Assimilation and Applications  
Chair: NN  
09:00 - 10:00 IL8: Nils Gustafsson, Sweden  
"Data assimilation in mesoscale modeling and numerical weather prediction"  
10:00 - 10:15 Discussion  
*10:15 - 10:45 Coffee break*  
10:45 - 11:45 IL9: Natasa Strelec Mahovic, Croatia  
"Sub-synoptic-scale meteorology and remote sensing"  
11:45 - 12:30 Closing discussion  
*12:30 - Lunch and organized field trip*

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### **Thursday 21 June 2012**

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Departure of participants