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Poster Programme AS1.21

Quantitative precipitation forecasting in complex terrain: Results of the Convective and Orographically-induced Precipitation Study (COPS) and other campaigns (co-sponsored by the World Weather Research Program of the WMO)

Convenor: Dr. Wulfmeyer 

Co-Convenors: C. Kottmeier , A. Behrendt , P. Di Girolamo , R. Steinacker , M. Dorninger , MW Rotach 

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Display Time: Tuesday, 24 Apr 08:00–19:30

Attendance Time: Tuesday, 24 Apr 17:30–19:00

Hall X/Y

Chairperson: A. Behrendt

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 **Raman lidar observations of particle hygroscopicity during COPS**

D. Stelitano, P. Di Girolamo, and D. Summa

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 **Raman lidar characterization of PBL structure during COPS**

D. Summa, P. Di Girolamo, D. Stelitano, and T. Di Iorio

XY3 [EGU2012-10150](#)

 **Precipitation on the lee side of the Vosges Mountains : multi-instrumental study of one case from the COPS campaign**

L. Labbouz, J. Van Baelen, F. Tridon, M. Reverdy, M. Hagen, G. Dick, and T. Gorgas

XY4 [EGU2012-433](#)

 **Initiation of deep convection over the Black Forest mountains during COPS IOP 8b: A multi-model approach**

C. Barthlott, R. Burton, D. Kirshbaum, K. Hanley, E. Richard, J.-P. Chaboureau, J. Trentmann, B. Kern, H.-S. Bauer, T. Schwitalla, C. Keil, Y. Seity, A. Gadian, A. Blyth, S. Mobbs, C. Flamant, J. Handwerker, and R. Maisenbacher

XY5 [EGU2012-5014](#)

 **Large-eddy simulation of the daytime boundary layer and heat transfer processes over an idealized valley**

J. Schmidli

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 **The impact of soil moisture variability on seasonal convective precipitation simulations via the soil-boundary layer interaction.**

S. Khodayar, N. Kalthoff, and G. Schädler

XY7 [EGU2012-9199](#)

 **Comprehensive comparison of precipitation measurement systems for convective and non-convective events**

N. Filipović, R. Steinacker, M. Dorninger, and L. Tüchler

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 **Airborne lidar observations of mid-latitude mid-tropospheric water vapour variability**

C. Kiemle, L. Fischer, and G. C. Craig

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 **Transport and chemical conversion of air pollutants under convective conditions - Results of the COPS-TRACKS campaign**

W. Wilms-Grabe, U. Corsmeier, H. Vogel, and Ch. Kottmeier

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 **Investigation of the process chain leading to the development of convection during COP IOP 4b**

H.-S. Bauer, T. Schwitalla, F. Aoshima, A. Behrendt, and V. Wulfmeyer

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 **Turbulence measurements with lidar**

Dr. Wulfmeyer, Dr. Behrendt, and Späth

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 **Using the MAP D-PHASE database to evaluate the QPF improvements of the new SIMM's BOLAM**

S. Mariani and M. Casaioli

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 **Comparison of WRF 3D-Var with the DART EnKF for a COPS IOP**

M. Grzeschik, T. Schwitalla, H.-S. Bauer, and V. Wulfmeyer

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 **Characterization of convection-related parameters by Raman lidar: Analysis of selected case studies from the Convective and Orographically-induced Precipitation Study**

P. Di Girolamo, D. Summa, and D. Stelitano