Curriculum Vitae

PERSONAL DETAILS

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SCIENTIFIC INTERESTS

Experimental fluid dynamics
Turbulence
Physics of atmosphere
Particle Image Velocimetry
Image processing

PUBLICATIONS

P. Korczyk, Sz.P. Malinowski, T.A. Kowalewski: "Mixing of cloud and clear air in centimeter scales observed in laboratory", Atmospheric Research (2006,**82**,173-182)

P.M. Korczyk, Sz.P. Malinowski, T.A. Kowalewski: "Particle image velocimetry of cloud droplets in the process of turbulent mixing", 14th International Conference on Clouds and Precipitation, Proceedings – Volume 1, Bologna, Italy 19-23 July 2004.

Sz.P. Malinowski, P.M. Korczyk, T.A. Kowalewski: "Mixing of cloud and clear air in centimeter scales observed in laboratory by means of particle image velocimetry", 14th International Conference on Clouds and Precipitation, Proceedings – Volume 3, Bologna, Italy 19-23 July 2004.

P.M. Korczyk, Sz.P. Malinowski, T.A. Kowalewski: "Particle Image Velocimetry (PIV) for Cloud Droplets - Laboratory Investigations", Mechanics of the 21st Century, Proceedings of the 21st International Congress of Theoretical and Applied Mechanics Warsaw, Poland, August 15-21, 2004.

T.A. Kowalewski, S.Blonski, P. Korczyk: "Turbulent Flow in a Micro-Channel, with, ASME", 4 th International Conference on Nanochannels, Microchannels and Minichannels, June 2006, Limerick, CD-ROM Proceedings ISBN 0-7918-3778-5, 96090, p. 1-8, 2006.

PRESENTATIONS AT CONFERENCES

P. Korczyk, Sz.P. Malinowski, T.A. Kowalewski, A. Jaczewski: "Particle image velocimetry of droplets in turbulent cloud", EGS - AGU - EUG Joint Assembly, Nice, France, 6 - 11 April 2003.

Sz.P. Malinowski, P. Korczyk, T.A. Kowalewski, A. Jaczewski: "Mixing of cloud and clear air in centimeter scales observed in laboratory by means of particle image velocimetry", EGS - AGU - EUG Joint Assembly, Nice, France, 6 - 11 April 2003.

P.M. Korczyk, Sz.P. Malinowski, T.A. Kowalewski: "Particle image velocimetry of cloud droplets in the process of turbulent mixing", 14th International Conference on Clouds and Precipitation, Bologna, Italy 19-23 July 2004.

Sz.P. Malinowski, P.M. Korczyk, T.A. Kowalewski: "Mixing of cloud and clear air in centimeter scales observed in laboratory by means of particle image velocimetry", 14th International Conference on Clouds and Precipitation, Proceedings – Volume 3, Bologna, Italy 19-23 July 2004.

P.M. Korczyk, Sz.P. Malinowski, T.A. Kowalewski: "Particle Image Velocimetry (PIV) for Cloud Droplets - Laboratory Investigations",21st International Congress of Theoretical and Applied Mechanics Warsaw, Poland, August 15-21, 2004.