

List of 10 most relevant Publications

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Examples of my early modelling career: [1] [2] [3]

Examples of my supervision: [4, 5, 6]

Examples of collaborative experimental research: [7, 8, 9, 10]

A. Refereed scientific articles

- [1] Jouni I. Peltoniemi, Kari Lumme, Karri Muinonen, and William M. Irvine. Scattering of Light by Stochastically Rough Particles. *Appl. Opt.*, 28(19):4088–4095, October 1989.
- [2] Jouni I. Peltoniemi and Kari Lumme. Light Scattering by Closely Packed Particulate Media. *J. Opt. Soc. Am. A*, 9(8):1320–1326, August 1992.
- [3] Jouni I. Peltoniemi. Variational volume integral method for Electromagnetic scattering by irregular grains. *J. Quant. Spectrosc. Radiat. Transfer*, 55(5):637–647, 1996.
- [4] Juha Suomalainen, Teemu Hakala, Jouni Peltoniemi, and Eetu Puttonen. Polarised Multiangular Reflectance Measurements Using Finnish Geodetic Institute Field Goniospectrometer. *Sensors*, 9(5):3891–3907, 2009.
- [5] Eetu Puttonen, Juha Suomalainen, Teemu Hakala, and Jouni Peltoniemi. Measurement of reflectance properties of asphalt surfaces and their usability as reference targets for aerial photos. *IEEE Trans. Geosci. Remote Sensing*, 47(7):2330–2339, July 2009.
- [6] Teemu Hakala, Juha Suomalainen, and Jouni I. Peltoniemi. Acquisition of Bidirectional Reflectance Factor Dataset Using a Micro Unmanned Aerial Vehicle and a Consumer Camera. *Remote Sensing*, 3(2):819–832, 2010.
- [7] Jouni Peltoniemi, Sanna Kaasalainen, Jyri Näränen, Miina Rautiainen, Pauline Stenberg, Heikki Smolander, Sampo Smolander, and Pekka Voipio. BRDF measurement of understory vegetation in pine forests: dwarf shrubs, lichen and moss. *Remote Sensing of Environment*, 94(3):343–354, 15 Feb 2005.

- [8] Jouni Peltoniemi, Sanna Kaasalainen, Jyri Näränen, Leena Matikainen, and Jukka Piironen. Measurement of directional and spectral signatures of light reflectance by snow. *IEEE Trans. Geosci. Remote Sensing*, 43(10):2294–2304, October 2005.
- [9] J. I. Peltoniemi, M. Gritsevich, T. Hakala, P. Dagsson-Waldhauserová, Ó. Arnalds, K. Anttila, H.-R. Hannula, N. Kivekäs, H. Lihavainen, O. Meinander, J. Svensson, A. Virkkula, and G. de Leeuw. Soot on snow experiment: bidirectional reflectance factor measurements of contaminated snow. *The Cryosphere*, 9:2323–2337, 2015.
- [10] Jouni I. Peltoniemi, Teemu Hakala, Juha Suomalainen, Eija Honkavaara, Lauri Markelin, Maria Gritsevich, Juho Eskelinen, Priit Jaanson, and Erkki Ikonen. A detailed study for the provision of measurement uncertainty and traceability for goniospectrometers. *J. Quant. Spectrosc. Radiat. Transfer*, 146:376–390, 2014.