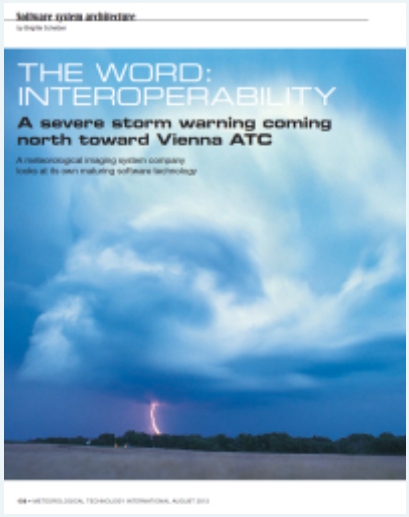
Press and Publications

CineSat in the Press

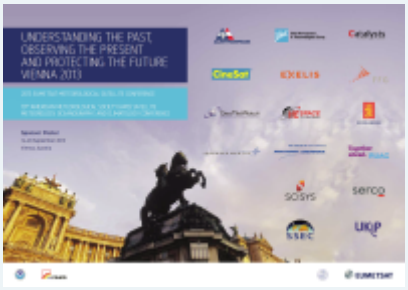


Scheiber, Brigitte. “The Word: Interoperability.” *Meteorological Technology International* Aug. 2013: 138-140. Print.

World Meteorological Organization Calendar 2013. Entico Corporation Limited, 2013. Web. 30. July 2014.

“CineSat Poster - Increase Airspace Safety.” *Meteorological Technology International* Aug. 2013: 83. Print.

Editor Review. “See the Future of Clouds.” *Meteorological Technology International* Sept. 2011: 31. Print.



Asmus, Jörg (Deutscher Wetterdienst) and J. Scheiber “A Comparison of MSG and MTP Nowcasting Products.” *Proceedings of the 2003 EUMETSAT Meteorological Satellite Conference in Weimar* 2003. Print. ISSN 1011-3932.

Scheiber, J. “Real-Time Image Processing, Analysis, and Nowcasting with MSG Data.” *Proceedings of the 2003 EUMETSAT Meteorological Satellite Conference in Weimar* 2003. Print. ISSN 1011-3932.

Scheiber, J. “An Effective Research Toolkit for the Analysis of MSG Data.” *Software Presentations 2004 EUMETSAT Meteorological Satellite Conference in Prag* 2004. Print.

CineSat in the Past - Still Relevant and in Use

Damit konnten 1,5 Milliarden Schilling eingespart werden

Österreichische Firma verpaßte „blindem" Satelliten eine Brille

"Software Glasses." *Great Austrian Press Echo on Saving the Meteosat-6 Mission* Nov. 1995. Print.

A New Approach To Real-Time Water-Vapour Wind Extraction

J. de Waard, F.J. Diekmann & K. Holmlund
Meteosat Exploitation Project, European Space Operations Centre (ESOC), Darmstadt, Germany

This user report describes scientific aims and user experience with a high-performance computer developed by GEPARD.

The Fast Satellite Image Processing System (FSIP) consists of:
- CineSat - for high performance image display and analysis
- Online Meteosat image rectification; and
- Realtime wind field computation from image sequences

The graphic underscored in blue (see p. 112) gives an overview of the system developed by GEPARD. MF1 and MF2 indicate the two mainframe computers; the link is via FDDI-LAN in realtime. A brief description of the hardware modules is given in the text underscored in yellow on p. 113.

De Waard, J., F. J. Diekmann, and K. Holmlund. "A New Approach to Water-Vapour Wind Extraction." *ESA Bulletin No 77* Feb. 1994. Print.
(PDF 21 MB)

Other GEPARD Publications

Meteorology

[1] Scheiber, J. “Synoptic application of real-time cloud motion winds.” *Proceedings of the Meteorological Satellite Data Users´ Conference 1996 Vienna*. Print. ISSN 1011-3932.

[2] Zwatz-Meise, V., J. Scheiber, and Z. Zobl. “Towards automatic Meteosat image interpretation.” *Proceedings of the Meteorological Satellite Data Users´Conference 1996, Vienna*. Print. ISSN 1011-3932.

[3] Scheiber, J. “Operational Nowcasting Based on Satellite Cloud Motion Winds.” *Fourth International Winds Workshop, Saanenmöser (Switzerland)* 1998. Print. ISSN 1023-0416.

Final Reports of ESA Contracts

[1] Scheiber, J. and Z.Zobl. “A Transputer Based Demonstration Prototype for Meteosat Image Rectification and Display.” *Final Report to ESA Contract 8946/90/D/CN, GEPARD Vienna* February 1991. Print.

[2] Scheiber, J. “FESIP - Fast External Satellite Image Processing System.” *Final Report to ESA Contract 9539/91/D/CN, GEPARD Vienna* January 1994. Print.

[3] Scheiber, J. “Independent Image Data Processing Facility for Water Vapour Product Calculation and Display.” *Project Summary to ESA Contract 9539/91/D/CN (CCN), GEPARD Vienna* November 1994. Print.

[4] Scheiber, J. “Onground Correction Software for METEOSAT-6 Infrared and Water Vapour Grey Value Variations.” *Final Report to ESA Contract 11066/94/D/IM, GEPARD Vienna* December 1995. Print.

[5] Scheiber, J., Z. Zobl, and V. Zwatz-Meise. “ASIA - Towards Automatic Tools for Satellite Images Analysis.” *Final Report to ESA Contract 11843/96/NL/CN, GEPARD Vienna* November 1996. Print.

Automatic Forest Damage Classification

[1] Scheiber, J. “Methoden zur Automatischen Klassifikation von Waldgebieten in digitalisierten Luftbildern.” Diplomarbeit, Technische Universität Wien, 1986. Print.

[2] Fesl, K., F. Fibich, G. Friedrich, M. Holzwieser, E. Knappitsch, G. Mannsberger, M. Schamann, J. Scheiber, and K. Zirm. “Entwicklung und Prüfung digitaler Analyseverfahren zur Schadenserkenung in Nadelwäldern, Projektstufe II”. Österreichisches Bundesinstitut für Gesundheitswesen, Wien, 1987. Print.

[3] Pillmann, W., J. Scheiber, and Z. Zobl. “Softwareentwicklung zur Scannerbildverarbeitung in Multiprozessorsystemen.” Österreichisches Bundesinstitut für Gesundheitswesen, Wien, Dezember 1988. Print.

Immision and Aerosol Transport Simulation

[1] Neupert, C., W. Pillmann, J. Scheiber, und G. Sprinzl, “Optimierung der Parameter eines Ausbreitungsmodells für das Kraftwerk Dürnrohr.” Österreichisches Bundesinstitut für Gesundheitswesen, Wien, Mai 1988. Print.

[2] Scheiber, J. “Parallelrechnerunterstützte Luftschadstoff-Ausbreitungs- und Prognose-modelle.” *Handbuch der Umwelttechnik* 1991, Hrsg. Wolfgang Mayer, Eigenverlag Trend Commerz Ges.m.b.H., Linz 1990. Print.

Simulation and Optimization of Production Lines

[1] Scheiber, J. “Simulation und Prozeßvisualisierung auf Transputersystemen.” Tagungsband der RISC 90, 1. Int. Fachmesse für RISC/Transputer Architekturen und Anwendungen, Hrsg. Prof. Dr.-Ing Klaus Bender, Forschungszentrum Informatik, Universität Karlsruhe. Print.

[2] Scheiber, J. “SIMUL_TR in der Anlagen- und Produktionsplanung.” *Management-Tagung im Rahmen der Technologieoffensive 2000, Wien Bundeswirtschaftskammer* Juni 1990. Print.

[3] Scheiber, J. “Parallelrechner und Transputer zur Simulation und Prozeßvisualisierung.” *Tagungsband des 6. Symposiums Simulationstechnik, Wien* September 1990. Hrsg. F. Breitenecker, I. Troch, P. Kopacek. Print.