

Short CV

2015-today	Associate Professor, Mads Clausen Institute, NanoSYD, University of Southern Denmark (SDU), Sonderborg, Denmark
2014-2015	Assistant Professor, Mads Clausen Institute, NanoSYD, University of Southern Denmark (SDU), Sonderborg, Denmark
2012-2013	Substitute Professor (Vertretungsprofessor, W3), Group Leader, Integrated Systems and Photonics, Institute of Electrical and Information Engineering, CAU, Germany
2011-2014	Visiting Researcher, Photonics Laboratory, University of California, Los Angeles (UCLA), USA
2008-2011, 2013-2014	Postdoctoral Fellow, Integrated Systems and Photonics, Institute of Electrical and Information Engineering, CAU, Germany
2004-2008	Research Assistant, PhD Candidate, Computational Electromagnetics Group, Institute of Electrical and Information Engineering, CAU, Germany, Dr.-Ing. (PhD) thesis: Analysis and evaluation of numerically computed electromagnetic fields via multipole expansions, defense on Dec. 12, 2009
1996-2004	Study of mathematics, physics and computer science, CAU, Dipl.-Math. (MSc) thesis (complex dynamics): Existence of Cantor bouquets in Julia sets of entire transcendental functions, defense on March 29, 2004

Awards

2011-2012	German Research Foundation (DFG) Research Fellowship Flow cytometry based on serial time-encoded amplified microscopy
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Press Coverage

2013	Our Optics Express article Spectrally encoded angular light scattering has been highlighted in the Virtual Journal for Biomedical Optics (VJBO, Volume 9, Issue 1), a special feature of OSA's Optics InfoBase.
2014	Our Applied Optics article Compact, transmissive two-dimensional spatial disperser design with application in simultaneous endoscopic imaging and laser microsurgery has been highlighted in the Virtual Journal for Biomedical Optics (VJBO; Volume 9, Issue 3), a special feature of OSA's Optics InfoBase.
2012	Our PNAS paper "High-throughput single-microparticle imaging flow analyzer" is highlighted in Nature Biotechnology, the OSA Optics & Photonics News, the Time Magazine, the Scientific American, the UCLA-Newsroom, and SCOPE.
2012	Our Nature Scientific Reports paper "Hybrid Dispersion Laser Scanner" is highlighted in Nature Photonics.

Activities

E-MRS 2019 Fall Meeting

Yogendra Kumar Mishra (Organizer), Jost Adam (Organizer), Rosaria Puglisi (Organizer), Jean-Claude Grivel (Organizer) & Lakshminarayana Polavarapu (Organizer)
16. Sep 2019 → 19. Sep 2019

Physica Status Solidi. A: Applications and Materials Science (Online) (Journal)

Yogendra Kumar Mishra (Editor), Jost Adam (Editor), Devesh Kumar Avasthi (Editor), Mady Elbahri (Editor) & Lakshminarayana Polavarapu (Editor)
2019

E-MRS 2018 Fall Meeting

Yogendra Kumar Mishra (Organizer), Jost Adam (Organizer), Devesh Kumar Avasthi (Organizer), Mady Elbahri (Organizer) & Lakshminarayana Polavarapu (Organizer)
17. Sep 2018 → 20. Sep 2018

Vacuum (Journal)

Yogendra Kumar Mishra (Editor), Jost Adam (Editor), Ion Tiginyanu (Editor) & Oliver G. Schmidt (Editor)
2018

E-MRS Fall Meeting 2017

Yogendra Kumar Mishra (Organizer), Jost Adam (Organizer), Oliver G. Schmidt (Organizer) & Ion Tiginyanu (Organizer)

18. Sep 2017 → 21. Sep 2017

Computational Nanophotonics – Concepts, Algorithms and Applications

Jost Adam (Guest lecturer)

20. Jun 2017 → 23. Jun 2017

Vacuum (Journal)

Jost Adam (Editor), Yogendra Kumar Mishra (Editor), Arul Murugan (Editor) & Jani Kotakoski (Editor)

2017

E-MRS Fall Meeting

Yogendra Kumar Mishra (Organizer), Jost Adam (Organizer), Arul Murugan (Organizer) & Jani Kotakoski (Organizer)

19. Sep 2016 → 22. Sep 2016

Scientific Reports (Journal)

Jost Adam (Editor)

2016 → ...

TEK E-Science-Workgroup (External organisation)

Jost Adam (Member)

2014 → ...

University of Southern Denmark (External organisation)

Jost Adam (Member)

2014 → ...

SPIE

Jost Adam (Organizer)

2013 → 2015

Publications

A flower-like ZnO–Ag₂O nanocomposite for label and mediator free direct sensing of dinitrotoluene

Chakraborty, U., Bhanjana, G., Adam, J., Mishra, Y. K., Kaur, G., Chaudhary, G. R. & Kaushik, A., 27. May 2020, In : R S C Advances. 10, 46, p. 27764-27774

Plasmonic and non-plasmonic contributions on photocatalytic activity of Au-TiO₂ thin film under mixed UV–visible light

Veziroglu, S., Ullrich, M., Hussain, M., Drewes, J., Shondo, J., Strunskus, T., Adam, J., Faupel, F. & Aktas, O. C., 15. May 2020, In : Surface and Coatings Technology. 389, 7 p., 125613.

Photo-deposition of Au Nanoclusters for Enhanced Photocatalytic Dye Degradation over TiO₂ Thin Film

Veziroglu, S., Obermann, A-L., Ullrich, M., Hussain, M., Kamp, M., Kienle, L., Leißner, T., Rubahn, H-G., Polonskyi, O., Strunskus, T., Fiutowski, J., Es-Souni, M., Adam, J., Faupel, F. & Aktas, O. C., 1. Apr 2020, In : A C S Applied Materials and Interfaces. 12, 13, p. 14983-14992

The Role of Ge₂Sb₂Te₅ in Enhancing the Performance of Functional Plasmonic Devices

Gerislioglu, B., Bakan, G., Ahuja, R., Adam, J., Mishra, Y. K. & Ahmadivand, A., Mar 2020, In : Materials Today Physics. 12, 14 p., 100178.

Infrared plasmonic photodetectors: the emergence of high photon yield toroidal metadevices

Gerislioglu, B., Ahmadivand, A. & Adam, J., Dec 2019, In : Materials Today Chemistry. 14, p. 100206 13 p.

Three focused ion beam nanofabrication of plasmonic devices

Leissner, T., Kumar, S., Thomaschewski, M., Adam, J., Chiriae, S., Fiutowski, J., Bozhevolnyi, S. I. & Rubahn, H-G., 17. Sep 2019.

Cauliflower-like CeO₂: TiO₂ Hybrid Nanostructures with Extreme Photocatalytic and Self-Cleaning Properties

Veziroglu, S., Röder, K., Gronenberg, O., Vahl, A., Polonsky, O., Strunskus, T., Rubahn, H-G., Kienle, L., Adam, J., Fiutowski, J., Faupel, F. & Aktas, O. C., 2019, In : *Nanoscale*. 11, 20, p. 9840-9844 6 p.

Fabrication, optical characterization and modelling of plasmonic superlattices

Charconnet, M., Matricardi, C., Mihi, A., Adam, J., Liz-Marzán, L. M. & Seifert, A., 2019.

Para-hexaphenylene (p-6P) nanofibers for polarization-insensitive surface plasmon polariton excitation

Sobolewska, E. K., Kawalec, T., Rubahn, H-G., Adam, J. & Fiutowski, J., 2019.

Photo-induced Degradation Mechanisms in 4P-NPD Thin Films

Cielecki, P. P., Adam, J., Leissner, T., Patil, B. R., Madsen, M., Rubahn, H-G., Kjelstrup-Hansen, J. & Fiutowski, J., Dec 2018, In : *Organic Electronics*. 63, p. 114-119

Role of UV Plasmonics in the Photocatalytic Performance of TiO₂ Decorated with Aluminum Nanoparticles

Ghori, M. Z., Veziroglu, S., Hinz, A., Shurtleff, B. B., Polonsky, O., Strunskus, T., Adam, J., Faupel, F. & Aktas, O. C., Jun 2018, In : *ACS Applied Nano Materials*. 1, 8, p. 3760–3764

Magnetic films for electromagnetic actuation in MEMS switches

Oliveira Hansen, R. M. D., Mátéfi-Tempfli, M., Safonovs, R., Adam, J., Chemnitz, S., Reimer, T., Wagner, B., Benecke, W. & Mátéfi-Tempfli, S., Apr 2018, In : *Microsystem Technologies: Micro- and Nanosystems Information Storage and Processing Systems*. 24, 4, p. 1987-1994

Hierarchical Structures: Photocatalytic Growth of Hierarchical Au Needle Clusters on Highly Active TiO₂ Thin Film (Adv. Mater. Interfaces 15/2018)

Veziroglu, S., Ghori, M. Z., Kamp, M., Kienle, L., Rubahn, H-G., Strunskus, T., Fiutowski, J., Adam, J., Faupel, F. & Aktas, O. C., 2018, In : *Advanced Materials Interfaces*. 5, 15, 1870074.

Modeling multijunction solar cells by nonlocal tunneling and subcell analysis

Liu, Y., Ahmadpour, M., Adam, J., Kjelstrup-Hansen, J., Rubahn, H-G. & Madsen, M., 2018, In : *IEEE Journal of Photovoltaics*. 8, 5, p. 1363-1369

Numerical analysis on effects of experimental Ga Grading on Cu(In,Ga)Se₂ solar cell performance

Liu, Y., Li, B., Lin, S., Liu, W., Adam, J., Madsen, M., Rubahn, H-G. & Sun, Y., 2018, In : *Journal of Physics and Chemistry of Solids*. 120, p. 190-196

Photocatalytic growth of hierarchical au needle clusters on highly active TiO₂ thin film

Veziroglu, S., Ghori, M. Z., Kamp, M., Kienle, L., Rubahn, H-G., Strunskus, T., Fiutowski, J., Adam, J., Faupel, F. & Aktas, O. C., 2018, In : *Advanced Materials Interfaces*. 5, 15, 7 p., 1800465.

Single-mode to multi-mode crossover in thin-load polymethyl methacrylate plasmonic waveguides

Großmann, M., Thomaschewski, M., Klick, A., Goszczak, A. J., Sobolewska, E. K., Leißner, T., Adam, J., Fiutowski, J., Rubahn, H-G. & Bauer, M., 2018, In : *Plasmonics*. 13, 4, p. 1441-1448

Piezoresistive Response of Quasi-One-Dimensional ZnO Nanowires Using an in Situ Electromechanical Device

Kaps, S., Bhowmick, S., Gröttrup, J., Hrkac, V., Stauffer, D., Guo, H., Warren, O. L., Adam, J., Kienle, L., Minor, A. M., Adelung, R. & Mishra, Y. K., 30. Jun 2017, In : *ACS Omega*. 2, 6, p. 2985-2993

Preservation of plasmonic interactions in DLC protected robust organic-plasmonic hybrid systems

Cielecki, P. P., Sobolewska, E. K., Kostiučenko, O., Leißner, T., Tamulevicius, T., Tamulevicius, S., Rubahn, H-G., Adam, J. & Fiutowski, J., 15. Jun 2017.

Excitation of Surface Plasmon Polaritons by Fluorescent Light from Organic Nanofibers

Sobolewska, E. K., Jozefowski, L., Kawalec, T., Leißner, T., Rubahn, H-G., Adam, J. & Fiutowski, J., 2017, In : Optics Communications. 402, p. 630-634

Plasmon-Organic Fiber Interactions in Diamond-Like Carbon Coated Nanostructured Gold Films

Cielecki, P. P., Sobolewska, E. K., Kostiučenko, O., Leißner, T., Tamulevicius, T., Tamulevicius, S., Rubahn, H-G., Adam, J. & Fiutowski, J., 2017, In : Optics Communications. 402, p. 635-640

Progress in electronics and photonics with nanomaterials

Mishra, Y. K., Murugan, A., Kotakoski, J. & Adam, J., 2017, In : Vacuum. 146, p. 304-307

SiCloud: An online education tool for silicon photonics

Jiang, C. Y., Devore, P. T. S., Lonappan, C. K., Adam, J. & Jalali, B., 2017, *14th Conference on Education and Training in Optics and Photonics*. SPIE - International Society for Optical Engineering, 5 p. 104521Q. (S P I E - International Society for Optical Engineering. Proceedings, Vol. 10452).

Simulation methods for multiperiodic and aperiodic nanostructured dielectric waveguides

Paulsen, M., Neustock, L. T., Jahns, S., Adam, J. & Gerken, M., 2017, In : Optical and Quantum Electronics. 49, 107, 14 p.

The influence of electrical effects on device performance of organic solar cells with nano-structured electrodes

Mirsafaei, M., Hossein Fallahpour, A., Lugli, P., Rubahn, H-G., Adam, J. & Madsen, M., 2017, In : Scientific Reports. 7, 5300.

Periodically arranged colloidal gold nanoparticles for enhanced light harvesting in organic solar cells

Mirsafaei, M., Fernandes Cauduro, A. L., Kunstmann-Olsen, C., Davidson, A. M., Hassing, S., Hedegaard, M. A. B., Rubahn, H-G., Adam, J. & Madsen, M., 29. Apr 2016, *Photonics for Solar Energy Systems VI*. Wehrspohn, R. B., Gombert, A. & Sprafke, A. N. (eds.). SPIE - International Society for Optical Engineering, 11 p. 989810. (S P I E - International Society for Optical Engineering. Proceedings, Vol. 9898).

Surface plasmons excited by the photoluminescence of organic nanofibers in hybrid plasmonic systems

Sobolewska, E., Leißner, T., Jozefowski, L., Brewer, J. R., Rubahn, H-G., Adam, J. & Fiutowski, J., 21. Apr 2016.

Surface plasmons excited by the photoluminescence of organic nanofibers in hybrid plasmonic systems

Sobolewska, E., Leißner, T., Jozefowski, L., Brewer, J. R., Rubahn, H-G., Adam, J. & Fiutowski, J., 21. Apr 2016, *Nanophotonics VI*. Andrews, D. L., Nunzi, J-M. & Ostendorf, A. (eds.). SPIE - International Society for Optical Engineering, 7 p. 98843D. (S P I E - International Society for Optical Engineering. Proceedings, Vol. 9884).

Periodically arranged colloidal gold nanoparticles for enhanced light harvesting in organic solar cells

Mirsafaei, M., Fernandes Cauduro, A. L., Kunstmann-Olsen, C., Davidson, A. M., Hassing, S., Hedegaard, M. A. B., Rubahn, H-G., Adam, J. & Madsen, M., 6. Apr 2016.

Compound grating structures in photonic crystals for resonant excitation of azobenzene

Jahns, S., Kallweit, C., Adam, J. & Gerken, M., 2016.

Coupled-Mode Theory for Complex-Index, Corrugated Multilayer Stacks

Lüder, H., Gerken, M. & Adam, J., 2016. 1 p.

Nanoscale aluminum concaves for light-trapping in organic thin-films

Goszczak, A. J., Adam, J., Cielecki, P. P., Fiutowski, J., Rubahn, H-G. & Madsen, M., 2016, In : Optics Communications. 370, p. 135-139 5 p.

Optical properties of nanowire metamaterials with gain

Isidio de Lima, J. J., Adam, J., Rego, D., Esquerre, V. & Bordo, V., 2016, In : Optics Communications. 379, p. 25-31 7 p.

Optical waveguides with compound multiperiodic grating nanostructures for refractive index sensing

Neustock, L. T., Jahns, S., Adam, J. & Gerken, M., 2016, In : Journal of Sensors. 11 p., 6174527.

Plasmonic Transmission Gratings – Fabrication and Characterization

Sierant, A., Jany, B., Bartoszek-Bober, D., Fiutowski, J., Kawalec, T. & Adam, J., 2016.

Propagation properties of silver nanowires embedded in a substrate with gain

Isidio de Lima, J. J., Adam, J., Rego, D., Esquerre, V. & Bordo, V., 2016, *Proceedings of SPIE: Metamaterials, Metadevices, and Metasystems 2016*. Engheta, N., Noginov, M. A. & Zheludev, N. I. (eds.). SPIE - International Society for Optical Engineering, 9918 2Q. (S P I E - International Society for Optical Engineering. Proceedings, Vol. 9918).

Properties of Deterministic Aperiodic Photonic Nanostructures for Biosensors

Paulsen, M., Jahns, S., Neustock, L. T., Adam, J. & Gerken, M., 2016. 1 p.

Simulation Methods for Multiperiodic and Aperiodic Nanostructured Dielectric Waveguides

Paulsen, M., Neustock, L. T., Jahns, S., Adam, J. & Gerken, M., 2016. 1 p.

Simulation of photonic waveguides with deterministic aperiodic nanostructures for biosensing

Neustock, L. T., Paulsen, M., Jahns, S., Adam, J. & Gerken, M., 2016, *Proceedings of the 2016 International Conference on Electromagnetics in Advanced Applications*. IEEE Press, p. 980-983

Theoretical and Experimental Study of Plasmonic Polymer Solar Cells

Mirsafaei, M., Adam, J. & Madsen, M., 18. Sep 2015.

Nanoscale Dimples for Improved Absorption in and Efficiency of Organic Solar Cells

Goszczak, A. J., Adam, J., Cielecki, P. P., Fiutowski, J., Rubahn, H-G. & Madsen, M., 8. Apr 2015.

Radiofrequency encoded angular-resolved light scattering

Buckley, B. W., Akbari, N., Diebold, E. D., Adam, J. & Jalali, B., 23. Mar 2015, In : Applied Physics Letters. 106, 12, 4 p., 123701.

Modeling nanostructure-enhanced light trapping in organic solar cells

Adam, J., 2015. 1 p.

Nanoscale concave structures for field enhancement in organic thin films

Goszczak, A. J., Adam, J., Cielecki, P. P., Fiutowski, J., Rubahn, H-G. & Madsen, M., 2015, *Proc. SPIE: Plasmonics: Metallic Nanostructures and Their Optical Properties XIII*. Boardman, A. D. & Tsai, D. P. (eds.). SPIE - International Society for Optical Engineering, 11 p. 95473I. (Proceedings of SPIE, the International Society for Optical Engineering, Vol. 9547).

Online optimization of different objectives in robotic sailing: simulations and experiments

Wrede, D., Adam, J. & Jouffroy, J., 2015, *Proceedings of the IEEE Conference on Control Applications*. IEEE, p. 876-881

Photon control by multi-periodic binary grating waveguides: A coupled-mode theory approach

Adam, J., Lüder, H. & Gerken, M., 2015. 1 p.

Purcell effect of asymmetric dipole source distributions in nanowire resonators

Filonenko, K., Duggen, L., Adam, J. & Willatzen, M., 2015. 1 p.

Silicon Photonics Cloud (SiCloud)

DeVore, P. T. S., Jiang, Y., Lynch, M., Miyatake, T., Carmona, C., Chan, A. C., Muniam, K., Jalali, B. & Adam, J., 2015, *Proceedings of the 2nd International Conference on Opto-Electronics and Applied Optics*. IEEE, 2 p. 734552I

Multi-periodic photonic crystal out-coupling layers for flexible OLEDs

Kluge, C., Pradana, A., Adam, J. & Gerken, M., 25. Nov 2014, *Solid-State and Organic Lighting, SOLED 2014*. Optical Society of America, (Solid-State and Organic Lighting, SOLED 2014).

Nanoscale aluminum dimples for light-trapping in organic thin-films

Goszczak, A. J., Adam, J., Cielecki, P. P., Fiutowski, J., Rubahn, H-G. & Madsen, M., 13. Nov 2014.

Multi-periodic nanostructures for photon control

Kluge, C., Adam, J., Barié, N., Jakobs, P-J., Guttman, M. & Gerken, M., 21. Aug 2014, In : *Optics Express*. 22, S5, p. A1363-A1371 8 p.

Compact, transmissive two-dimensional spatial disperser design with application in simultaneous endoscopic imaging and laser microsurgery

Metz, P., Adam, J., Gerken, M. & Jalali, B., 20. Jan 2014, In : *Applied Optics*. 53, 3, p. 376-382 7 p.

On the effect of broadband, multi-angular excitation and detection in guided-mode resonance biosensors

Threm, D., Jahns, S., Nazirizadeh, Y., Ziegler, M., Hansen, M., Kohlstedt, H., Adam, J. & Gerken, M., 1. Jan 2014, *Photonic Crystal Materials and Devices XI*. SPIE - International Society for Optical Engineering, Vol. 9127. 91270X

Thermally tunable optical aperture based on a segmented thin-film resonator

Block, H., Metz, P., Adam, J. & Gerken, M., 1. Jan 2014, *Micro-Optics 2014*. SPIE - International Society for Optical Engineering, Vol. 9130. 913002

Time-stretched spectrally encoded angular light scattering for high-throughput real-time diagnostics

Adam, J., Mahjoubfar, A., Diebold, E. D., Buckley, B. W. & Jalali, B., 1. Jan 2014, *Biophotonics: Photonic Solutions for Better Health Care IV*. SPIE - International Society for Optical Engineering, Vol. 9129. 91291A

Wavelength dependency of outcoupling peak intensities for emission layers with multi-periodic photonic crystals

Kluge, C., Neustock, L. T., Adam, J. & Gerken, M., 1. Jan 2014, *ICTON 2014 - 16th International Conference on Transparent Optical Networks*. IEEE Computer Society, 6876593

Multi-Periodic Photonic Crystal Out-Coupling Layers for Flexible OLEDs

Kluge, C., Pradana, A., Adam, J. & Gerken, M., 2014, *Light, Energy and the Environment*. SPIE - International Society for Optical Engineering, 3 p. DW3D.1. (OSA Technical Digest).

Time-Stretch Accelerated Processor for Real-time, In-service, Signal Analysis

Lonappan, C. K., Buckley, B. W., Adam, J., Lam, D., Madni, A. M. & Jalali, B., 2014, *Proceedings of the 2nd IEEE Global Conference on Signal and Information Processing*. IEEE, p. 707-711 5 p.

Miniaturized optical-fiber endoscope without inertial scan for simultaneous imaging and laser microsurgery

Adam, J., Metz, P., Gerken, M. & Jalali, B., 4. Nov 2013, *Novel Optical Systems Design and Optimization XVI*. Vol. 8842. 884204

3D ultrafast laser scanner

Mahjoubfar, A., Goda, K., Wang, C., Fard, A., Adam, J., Gossett, D. R., Ayazi, A., Sollier, E., Malik, O., Chen, E., Liu, Y., Brown, R., Sarkhosh, N., Di Carlo, D. & Jalali, B., 29. May 2013, *Frontiers in Ultrafast Optics: Biomedical, Scientific, and Industrial Applications XIII*. Vol. 8611. 86110N

Elastomer-based tunable virtually imaged phased array for reconfigurable optical interconnects

Metz, P., Behnke, C., Gerken, M. & Adam, J., 29. May 2013, *Optical Components and Materials X*. Vol. 8621. 86211C

Real-time image processor for detection of rare cells and particles in flow at 37 MHz line scans per second

Ayazi, A., Goda, K., Sadasivam, J., Lonappan, C. K., Gossett, D. R., Sollier, E., Fard, A., Hur, S. C., Kim, S. H., Adam, J., Murray, C., Wang, C., Brackbill, N., Di Carlo, D. & Jalali, B., 27. May 2013, *Imaging, Manipulation, and Analysis of*

Tunable elastomer-based virtually imaged phased array

Metz, P., Block, H., Behnke, C., Krantz, M., Gerken, M. & Adam, J., 11. Feb 2013, In : *Optics Express*. 21, 3, p. 3324-3335
12 p.

Spectrally encoded angular light scattering

Adam, J., Mahjoubfar, A., Diebold, E. D., Buckley, B. W. & Jalali, B., 2013, In : *Optics Express*.

High-throughput single-microparticle imaging flow analyzer

Goda, K., Ayazi, A., Gossett, D. R., Sadasivam, J., Lonappan, C. K., Sollier, E., Fard, A. M., Hur, S. C., Adam, J., Murray, C., Wang, C., Brackbill, N., Di Carlo, D. & Jalali, B., 17. Jul 2012, In : *Proceedings of the National Academy of Sciences of the United States of America*. 109, 29, p. 11630-11635 6 p.

Hybrid dispersion laser scanner

Goda, K., Mahjoubfar, A., Wang, C., Fard, A., Adam, J., Gossett, D. R., Ayazi, A., Sollier, E., Malik, O., Chen, E., Liu, Y., Brown, R., Sarkhosh, N., Di Carlo, D. & Jalali, B., 14. Jun 2012, In : *Scientific Reports*. 2, 445.

Numerical Multipole Analysis of Ultrawideband Antennas

Adam, J., Klinkenbusch, L., Mextorf, H. & Knoechel, R. H., 2010, In : *IEEE Transactions on Antennas and Propagation*.

Argument-recursive computation of Legendre polynomials and its application to the time domain near-to-far-field spherical-multipole analysis

Adam, J. & Klinkenbusch, L., 1. Dec 2009, In : *Radio Science*. 44, 4, RS4008.

Far field calculations and experimental characterization of nanostructured OLEDs

Adam, J., Hauss, J., Gleiss, S., Riedel, B., Geyer, U., Lemmer, U. & Gerken, M., 1. Dec 2009, *2009 3rd ICTON Mediterranean Winter Conference, ICTON-MW 2009*. 5385634

Efficient evaluation of antenna fields by a time-domain multipole analysis

Adam, J. & Klinkenbusch, L., 2009, In : *Advances in Radio Science*. 7, p. 43-48

Numerical analysis of antenna fields using multipole expansions

Klinkenbusch, L. & Adam, J., 1. Oct 2006, *Proceedings of The European Conference on Antennas and Propagation: EuCAP 2006*. (European Space Agency, (Special Publication) ESA SP, Vol. 626 SP).