


## Personendetails LSF Cache

### Prof. Dr. Dan Curticaean

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Badstraße 24  
77652 Offenburg

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#### Funktion

- Bachelorstudiengang Medientechnik/Wirtschaft plus MW<sup>plus</sup>, Studiendekan\*in der Bachelor-Studiengänge
- [Fakultät Medien und Informationswesen \(M+I\)](#), Professor\*in
- Institut Ecological Photonics Advanced Research at Oberrhein, Leiter\*in
- Institut Ecological Photonics Advanced Research at Oberrhein, Mitglied
- Institut für Angewandte Forschung, Mitglieder IAF
- Masterstudiengang Berufl. Bildung Medientechnik und Wirtschaft MW<sup>BB</sup>, Studiendekan\*in der Master-Studiengänge

#### Lehrveranstaltungen (aktuelles und vorhergehendes Semester)

- Bachelor-Thesis, M+I306
- Betriebspraktikum, M+I286
- Betriebspraktische Wahlpflichtfächer, M+I288
- Fotografie, Licht- und Bildgestaltung, M+I151
- Kolloquium, M+I307
- Master-Thesis, M+I614

<https://bw.hs-offenburg.de/nc/ansprechpartner/personendetails-lsf-cache/lsf/28/12/1457/>  
23 Jul 2019 04:13:38

- Medientechnik I, M+I107
- Medientechnik II, M+I116
- Medientechnik III, M+I126
- Optical Networks, M+I414
- Optical Networks Lab,  
M+I415

## Aufgaben

Vorlesungen in Physik,  
Elektrotechnik, Mathematik,  
Licht & Fotografie; Forschung in  
Optics & Photonics

## Stellenbeschreibung

Professur für  
Medientechnologie

## Lebenslauf

### Akademischer Werdegang

- Studium der Physik an den  
Universitäten Bukarest und  
Temesvar
- Wissenschaftlicher  
Mitarbeiter an Universität  
Temesvar und Hochschule  
Offenburg
- Freiberuflicher Dozent
- Promotion am Laboratoire  
des Systèmes Photoniques,  
École Nationale Supérieure  
de Physique Strasbourg /  
Université Louis Pasteur  
Strasbourg
- Projektmanager in  
Forschung und Entwicklung  
bei HYDAC ELECTRONIC  
GMBH Saarbrücken
- seit Oktober 2006 Professor  
für Medientechnologie an  
der Hochschule Offenburg

### Berufstätigkeit

- seit Wintersemester 2006  
Professor für Medientechnik  
an der Hochschule Offen-  
burg

- seit Wintersemester 2007  
Bachelor -  
Studiengangleiter  
Medientechnik / Wirtschaft  
plus
- seit Sommersemester 2012  
Master - Studiengangleiter  
Berufliche Bildung /  
Medientechnik / Wirtschaft
- seit 2008 Dozent am Institut  
National des Sciences  
Appliquées de Strasbourg  
I.N.S.A. / France

### Awards, Preise, Auszeichnungen

- **Sieger des internationalen  
Fotowettbewerbs 2011 der  
Optical Society of America  
(OSA), Washington/USA -**  
*Optical Möbius Strip* - Dan  
Curticapean
- **Sieger Best Paper Award -  
Informationstechnische  
Gesellschaft - VDE,  
11.12.2002, Köln -**  
*Bandbreitmessungen an  
Multimodefasern* - A. Oehler,  
W. Lieber, J. Beck, D.  
Curticapean
- **Urkunde,  
Innovationspreis der  
deutschen Wirtschaft  
2005, Frankfurt a. Main -**  
*AS1000 Feuchte- und  
Temperatursensor* - Dan  
Curticapean, Horst  
Mannebach / HYDAC  
ELECTRONIC GMBH
- **Press Release, Frontiers in  
Optics 2008,  
Rochester/New York/USA -**  
*3D Mobile Virtual Reality  
Simulations and Animations  
using Common Modern  
Displays* - Dan  
Curticapean, Markus Feißt,  
Andreas Christ

### Forschungsschwerpunkte

#### Forschungsprojekte

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23 Jul 2019 04:13:38

- Entwicklung eines Systems zur 3D-Vermessung von Kanalsystemen: Projekt im Rahmen des Förderprogramms „Zentrales Innovationsprogramm Mittelstand“ des Bundesministeriums für Wirtschaft und Technologie (BMWi) - (2013 -2015)

### Kooperationen mit der Praxis

**Eco-PhARO – Photonics Institute (Ecological - Photonics Advanced Research at Oberrhein)**  
gegründet 2013

### Publikationen

#### Bücher und Buchbeiträge

- Dan Curticapean, Adrian Neculea: The micro and nanoinvestigation and control of physical processes using optical fiber sensors and numerical simulations, a mathematical approach. Buchkapitel aus Micro- and Nanophotonic Technologies (Nanotechnology Innovation & Applications), Herausgeber: Patrick Meyrueis, Kazuaki Sakoda, Marcel Van de Voorde - Wiley-VCH, pag. 355-381; 2017
- Dan Curticapean: Shell Eco-marathon 2013 – AHOY Rotterdam. 2013, ISBN 978-3-943301-10-6
- Dan Curticapean: Cable Cars in San Francisco. 2013, ISBN 978-3-943301-11-3
- Tanja Kabelitz, Ralf Lankau, Dan Curticapean: International Year of Light

2015. 2013, ISBN 978-3-943301-07-6

- Dan Curticaean:  
Weltrekord in E-Mobility. 2012, ISBN 978-3-943301-03-8
  
- Dan Curticaean: Shell Eco-marathon 2011 - Eurospeedway Lausitzring. 2012, ISBN 978-3-943301-04-5
  
- Dan Curticaean:  
Arcus Hyperbolicus(MI). 2012, ISBN 978-3-943301-05-2
  
- Dan Curticaean:  
Flores Nocturnas. 2012, ISBN 978-3-943301-06-9
  
- Dan Curticaean; Pierre Ambs; Claus Emmelmann; Wolfgang Knapp; Zbigniew T. Kuznicki; Patrick P. Meyrueis, Editor(s) SPIE Eco-Photonics 2011: Sustainable Design, Manufacturing, and Engineering Workforce Education for a Green Future, 18 April 2011; ISBN: 9780819486516
  
- Patrick Meyrueis, Dan Curticaean: Geschichte Bilanz und Perspektiven der wissenschaftlichen Tätigkeiten und der technologischen Zusammenarbeit im Bereich der Photonik im Eurodistrikt. Buchkapitel aus „Der Eurodistrikt“ Editions de la Salde, ISBN 978-2-88892-088-5, 2009

## Reviewed Papers

- Peter Wozniak, Antonio Capobianco, Nicolas Javahiraly, Dan Curticapean: Depth Sensor Based Detection of Obstacles and Notification for Virtual Reality Systems; Applied Human Factors and Ergonomics (AHFE 2019), Washington, DC, 2019 (accepted)
- Dan Curticapean, Benjamin Heitz, Oliver Vauderwange; Astronomical events and their impact on knowledge transfer in optics and photonics: Education and Training in Optics and Photonics, Quebec City, Canada 2019 (accepted)
- Dan Curticapean, Benjamin Heitz, Oliver Vauderwange; International Day of Light IDL – A new forum for interdisciplinary learning concepts in optics and photonics: Education and Training in Optics and Photonics, Quebec City, Canada 2019 (accepted)
- Dan Curticapean, Benjamin Heitz, Oliver Vauderwange; Art and Photonics: Education and Training in Optics and Photonics, Quebec City, Canada 2019 (accepted)
- Oliver Vauderwange, Nicolas Javahiraly, Dan Curticapean; Increased knowledge transfer through the integration of research projects into university teaching; Education and Training in Optics and Photonics, Quebec City, Canada 2019 (accepted)
- Oliver Vauderwange, Nicolas Javahiraly, Dan Curticapean; Concept and development of research-oriented education in the

university context;  
Education and Training in  
Optics and Photonics,  
Quebec City, Canada 2019  
(accepted)

- Dan Curticapean: After Image 09/2018. Optics and Photonics News, Optical Society of America, ISSN1047-6938 Washington DC, 09, 2018
- Peter Wozniak, Antonio Capobianco, Nicolas Javahiraly, Dan Curticapean: Towards Unobtrusive Obstacle Detection and Notification for VR; ACM Symposium on Virtual Reality Software and Technology (VRST), Tokyo, 2018, DOI: 10.1145/3281505.3283391
- Peter Wozniak, Antonio Capobianco, Nicolas Javahiraly, Dan Curticapean: Towards Unobtrusive Obstacle Detection and Notification for Virtual Reality Using Metaphors; ACM Symposium on Spatial User Interaction (SUI 2018), Berlin 2018, DOI: 10.1145/3267782.3274682
- Oliver Vauderwange, Peter Wozniak, Nicolas Javahiraly, Dan Curticapean: New Perspectives in Color Vision using Spectroscopy and Nanotechnology: Application to Media Photonics ; Frontiers in Optics/Laser Science XXXIII (FiO/LS), 2017, (Optical Society of America, Washington, DC, 2017)
- Peter Wozniak, Oliver Vauderwange, Nicolas Javahiraly, Dan Curticapean: Augmented Reality Based Real-Time Data Visualization Concept for Ultra-Efficient Car

Prototype; Frontiers in Optics/Laser Science XXXIII (FiO/LS), 2017, (Optical Society of America, Washington, DC, 2017)

- Peter Wozniak, Dan Curticapean, Offenburg University (Germany); Nicolas Javahiraly, University Strasbourg - ICUBE (France): Real-time augmented reality overlay for an energy-efficient car study; Digital Optical Technologies - Computational Optics for Imaging and Sensing - Munich, 2017
- Dan Curticapean, Oliver Vauderwange, Peter Wozniak, Avikarsha Mandal: International Year of Light 2015 and the impact on educational activities. Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2016
- Oliver Vauderwange, Peter Wozniak, Nicolas Javahiraly, Dan Curticapean: A blended learning concept for an engineering course in the field of color representation and display technologies. Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2016
- Peter Wozniak, Oliver Vauderwange, Nicolas Javahiraly, Dan Curticapean: Possible applications of the LEAP Motion controller for more interactive simulated experiments in augmented or virtual reality. Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2016
- Avikarsha Mandal, Oliver Vauderwange, Peter Wozniak Dan Curticapean: Application of visual



cryptography for learning in  
optics and photonics. Optics  
& Photonics - Optical  
Engineering + Applications,  
San Diego / USA 2016

- Valentin Ortega Clavero,  
Andreas Weber, Werner  
Schröder, Dan Curticapean:  
Spectral analysis of  
bacanora (agave-derived  
liquor) by using FT-Raman  
spectroscopy. Photonics  
Europe, Brüssels 2016
- Dan Curticapean:  
International Year of Light  
2015 opens new dimensions  
in Optics and Photonics  
Education. 13th  
International Conference on  
Education and Training in  
Optics & Photonics (ETOP  
2015), Bordeaux, France,  
2015
- Peter Wozniak, Oliver  
Vauderwange, Kai Israel,  
Nicolas Javahiry, Dan  
Curticapean: Perform light  
and optic experiments in  
Augmented Reality. 13th  
International Conference on  
Education and Training in  
Optics & Photonics (ETOP  
2015), Bordeaux, France,  
2015
- Oliver Vauderwange, Ulrich  
Haiss, Peter Wozniak, Kai  
Israel, Dan Curticapean:  
Active Learning In Optics  
And Photonics - Liquid  
Chrystal Display In The Do-  
it-yourself. 13th  
International Conference on  
Education and Training in  
Optics & Photonics (ETOP  
2015), Bordeaux, France,  
2015
- Kai Israel, Dan Curticapean,  
Oliver Vauderwange, Peter  
Wozniak, Kai Israel, Dan  
Curticapean: "Invisible  
Light" - A global  
infotainment community

based on augmented reality technologies. 13th International Conference on Education and Training in Optics & Photonics (ETOP 2015), Bordeaux, France, 2015

- Valentin Ortega Clavero, Andreas Weber, Werner Schröder, Dan Curticapean: Potential use of the characteristic Raman lines of toluene ( $C_7H_8$ ) as a reference on the spectral analysis of fuel blends. SPIE Optical Metrology, Optical Measurement Systems for Industrial Inspection, Munich, Germany, 2015
- Dan Curticapean: After Image 10/2014. Optics and Photonics News, Optical Society of America, ISSN1047-6938 Washington DC, Vol. 25, No. 10 ©2014, pag. 64
- Dan Curticapean: Photonics is a player at the FIFA World Cup; 27 June 2014, SPIE Newsroom: Electronic Imaging & Signal Processing; DOI: 10.1117/2.2201406.02
- Kai Israel, Dan Curticapean: Photonics meet digital art; Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2014
- Valentin Ortega Clavero, Nicolas Javahiry, Andreas Weber, Werner Schröder, Dan Curticapean, Patrick Meyrueis: Use of the characteristic Raman lines of toluene ( $C_7H_8$ ) as a precise frequency reference on the spectral analysis of gasoline-ethanol blends; Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2014

- Paul Dreßler, Heinz-Hermann Wielage; Oliver Vauderwange, Peter Wozniak, Dan Curticapean: Microcontrollers and optical sensors for education in optics and photonics; Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2014
- Oliver Vauderwange, Paul Dreßler, Peter Wozniak, Dan Curticapean: Increased knowledge transfer by using modern high-speed camera; Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2014
- Oliver Vauderwange, Paul Dreßler, Peter Wozniak, Dan Curticapean: Digital devices: big challenge in color management; Optics & Photonics - Optical Engineering + Applications, San Diego / USA 2014
- Valentin Ortega Clavero, Andreas Weber, Werner Schröder, Dan Curticapean, Nicolas Javahiraly, Patrick Meyrueis: Spectral monitoring of toluene and ethanol in gasoline blends using Fourier-Transform Raman spectroscopy; Photonics Europe, Brüssels 2014
- Andreas Otte, Adrian Neculae, Dan Curticapean: Near-Infrared Spectroscopy for Real-Time Brain Perfusion Diagnostics in Patients with the Late Whiplash Syndrome: A New Approach. Frontiers in Optics/Laser Science XXIX (FIO/LS), 2013, (Optical Society of America, Washington, DC, 2013).
- Dan Curticapean: Astronomical phenomena: Events with high impact

factor in teaching Optics and Photonics. 12th International Conference on Education and Training in Optics & Photonics (ETOP 2013), Porto, Portugal, 2013

- Razia Sultana, Andreas Christ, Markus Feisst, Dan Curticaean: Learning in the cloud: A new challenge for a global teaching system in optics and photonics. 12th International Conference on Education and Training in Optics & Photonics (ETOP 2013), Porto, Portugal, 2013
- Oliver Vauderwange, Heinz-Hermann Wielage, Ulrich Haiss, Paul Dreßler, Dan Curticaean: New Frontiers in Color Management by using modern Spectrometers. 12th International Conference on Education and Training in Optics & Photonics (ETOP 2013), Porto, Portugal, 2013
- Paul Dreßler, Heinz-Hermann Wielage, Ulrich Haiss, Oliver Vauderwange, Dan Curticaean: Interdisciplinary Education in Optics and Photonics based on Microcontrollers. 12th International Conference on Education and Training in Optics & Photonics (ETOP 2013), Porto, Portugal, 2013
- Valentin Ortega Clavero, Andreas Weber, Werner Schröder, Dan Curticaean, Patrick Meyrueis, Nicolas Javahiraly: Spectral monitoring of toluene and ethanol in gasoline blends using Fourier-Transform Raman spectroscopy. SPIE Optical Metrology, Munich, Germany, 2013
- Dan Curticaean: Member Lens. Optics and Photonics

News, Optical Society of  
America, ISSN1047-6938  
Washington DC, pp. 27, 05,  
2013

- Dan Curticapean, Andreas  
Otte, Adrian Neculae:  
Numerical analysis of the  
diffusive mass transport in  
brain tissues with  
applications to optical  
sensors. SPIE Paper BO  
8576-4, Photonics West, San  
Francisco 2013
- Dan Curticapean: After  
Image 01/2013. Optics and  
Photonics News, Optical  
Society of America,  
ISSN1047-6938 Washington  
DC, pp. 56, 01, 2013
- Dan Curticapean, Adrian  
Neculae: Radiative heat  
transfer in optical fibers  
with applications to  
temperature measurement  
and controlled splicing  
processes considering the  
SP1 approximation.  
Frontiers in Optics/Laser  
Science XXVIII (FiO/LS),  
FW3A.37, 2012, (Optical  
Society of America,  
Washington, DC, 2012)
- Adrian Neculae, Dan  
Curticapean: Numerical  
Simulation of Mass  
Diffusion in Brain Tissues.  
Physics Conference TIM-10,  
American Institute of  
Physics, 2011
- Dan Curticapean: After  
Image 01/2013. Optics and  
Photonics News, Optical  
Society of America,  
ISSN1047-6938 Washington  
DC, pp. 56, 11, 2011
- Dan Curticapean: Magic of  
Light. Optics Education and  
Outreach, SPIE Volume  
7783, San Diego, California,  
2010 ISBN: 9780819482792
- Dan Curticapean; Andreas

Christ; Markus Feißt:  
Perspectives of mobile  
learning in optics and  
photonics. □Optics  
Education and Outreach,  
SPIE Volume 7783, San  
Diego, California, 2010  
ISBN: 9780819482792

- • Dan Curticapean: Optical sensors for intelligent automotive and aeronautical systems. ITT09 Innovation Technologique et Systemes de Transport - Paris 2009
- Adrian Neculae, Dan Curticapean: Numerical Study on Radiative Heat Transfer and Boundary control of Glass fibers Cooling Process. CP1262, Physics Conference TIM-09, 2010 American Institute of Physics pag. 155-160, ISBN 978-0-7354-0810-4
- Dan Curticapean: University for Children - The Magic of Light. Frontiers in Optics - EDay 2009, pag.15-26, Optical Society of America, Washington, DC, Programm Lesson Plans & Activity Guides, Frances C. Arrillaga Stanford Univ., Palo Alto / California / USA, 2009
- Andreas Christ, Markus Feißt, Dan Curticapean: Mobile Learning a new Paradigm of e-Learning in Optics and Photonics. Education & Training in Optics & Photonics; ST. Asaph, North Wales, UK, 2009
- Dan Curticapean: University For Children - The Magic of Light. Education & Training in Optics & Photonics; ST. Asaph, North Wales, UK, 2009
- Dan Curticapean, Markus Feißt, Andreas Christ: 3D

Mobile Virtual Reality  
Simulations and Animations  
using Common Modern  
Displays. Frontiers in Optics  
2008 / Laser Science XXIV /  
Plasmonics and  
Metamaterials / Optical  
Fabrication and Testing  
(Optical Society of America,  
Washington, DC, 2008)  
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- Dan Curticapean, Adrian  
Neculae: Temperature  
measurement using optical  
fiber with applications to  
automobiles considering a  
high accurate numerical  
solution for the conductive  
heat transport in a circular  
cylinder. Optical Sensors  
2008 ISBN: 9780819472014  
- doi:10.1117/12.781034
- Christian-Alexander Bunge,  
Winfried Lieber, Dan  
Curticapean: Tolerant  
launching scheme for short-  
reach multimode fibre  
connections with non-ideal  
offset connectors. Optical  
Sensors 2008, ISBN:  
9780819472014 - doi:10  
1117/12.781463
- Adrian Neculae, Marius  
Paulescu, Dan Curticapean:  
Modeling and numerical  
simulation of the transport  
processes inside DSSC  
using a monodomain  
approach. Photonics Europe  
2008 - doi:10.1117/12.  
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- Dan Curticapean: Die Macht  
der Animationen im  
Unterricht der  
Naturwissenschaften - eine  
didaktische Betrachtung.  
Energie der Didaktik -  
Beiträge zum 7. Tag der  
Lehre, pag 111 - 114, 2007  
□ISBN: 978-3-00-022550-5
- Christian - Alexander

Bunge, Winfried Lieber, Dan  
Curticapean: Evaluation of  
Launch-Dependent  
Frequency Response of  
Multimode Fibers for  
Subcarrier-Multiplexing  
(SCM). Fontiers in Optics  
2007 / Laser Science XXIII /  
Organic Materials and  
Devices for Displays and  
Energy Conversion (Optical  
Society of America,  
Washington, DC, 2007)  
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Bunge, Winfried Lieber, Dan  
Curticapean: New Aspects  
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Measurements Considering  
the Effects of DMD. Optics &  
Lasers Technology, Vol 39  
(2007) pag. 61-67  
DOI:10.1016/j.optlastec2005.05.007
- Dan Curticapean, Ulrich  
Köpf: Aliasing beim Graphik-  
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- A. Oehler, W. Lieber, J. Beck,  
D. Curticapean: ITG -  
Fachbericht 174  
Kommunikationskabelnetze  
Bandbreite von  
Mehrmodenfasern für  
Gigabit Ethernet. VDE  
Verlag GmbH, Berlin,  
Offenbach, 2002 pag. 77 -  
86, ISBN 3-8007-2738-2
- Winfried Lieber, Xiao Su Yi,  
Nisapol Nontasut, Dan  
Curticapean: Differential  
mode delay (DMD) in  
graded-index multimode  
fiber: effect of DMD on  
bandwidth tuned by  
restricted launch conditions.  
Applied Physics B - Lasers  
and Optics 75 (2002) 4-5,  
pag. 487- 491 ISSN: 0946-  
2171 DOI: 10.1007/s00340-  
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- Köpf Ulrich, Curticapean Dan: Einfache Versuche mit rollenden Kugeln. MNU ( Der Mathematische und Naturwissenschaftliche Unterricht ), pag. 158-160 51/3, 1998 (Deutscher Bildungsserver)

### **Vorträge, Interviews und Diskussionsrunden**

- Spectral analysis of bacanora (agave-derived liquor) by using FT-Raman spectroscopy; Photonics Europe, April 06, 2016, Brüssels / Belgium
- 100 Years of General Relativity; Symposium 100 Years of Albert Einstein's General Relativity, November 25th, 2015, Offenburg / Germany
- "Invisible Light" – A global infotainment community based on augmented reality technologies, 13th International Conference on Education and Training in Optics & Photonics; June 30th, 2015, Bordeaux / France
- International Year of Light 2015 opens new dimensions in Optics and Photonics Education, 13th International Conference on Education and Training in Optics & Photonics (ETOP 2015), June 30th, 2015, Bordeaux / France

- Increased Knowledge  
Transfer by Using Modern  
High-Speed Camera; SPIE  
Optics + Photonics, August  
20, 2014 San Diego /  
California / USA
- Photonics Meet Digital Art;  
SPIE Optics + Photonics,  
August 20, 2014 San Diego  
/ California / USA
- Astronomical phenomena:  
Events with high impact  
factor in teaching Optics  
and Photonics. Education &  
Training in Optics &  
Photonics; July 24, 2013,  
Porto / Portugal
- Numerical analysis of the  
diffusive mass transport in  
brain tissues with  
applications to optical  
sensors; SPIE Photonics  
West, February 02, 2013,  
San Francisco / USA
- Radiative heat transfer in  
optical fibers with  
applications to temperature  
measurement and  
controlled splicing  
processes considering the  
SP1 approximation;  
Frontiers in Optics/Laser  
Science XXVIII ( meeting  
Optical Society of America ),  
October 17, 2012, Rochester  
/ New York / USA
- Magic of Light; SPIE Optics +  
Photonics, August 01, 2010  
San Diego / California/ USA
- Perspectives of mobile  
learning in optics and  
photonics; SPIE Optics +  
Photonics, August 01 2010,  
San Diego / California/ USA
- University for Children - The  
Magic of Light; Frontiers in  
Optics – EDay 2009  
(eingeladener Beitrag) -  
October 15, 2009, Univ.  
Stanford / Palo Alto /  
California / USA

- Optical sensors for intelligent automotive and aeronautical systems. ITT09 Innovation Technologique et Systemes de Transport - 26.10.2009, Paris / France
- Mobile Learning a new Paradigm of e-Learning in Optics and Photonics; Education & Training in Optics & Photonics; 02.07.2009, ST. Asaph / North Wales / UK
- University For Children – The Magic of Light, Education & Training in Optics & Photonics; 04.07.2009, ST. Asaph / North Wales / UK
- 3D Mobile Virtual Reality Simulations and Animations using Common Modern Displays, Frontiers in Optics 2008 / Laser Science XXIV / Plasmonics and Metamaterials / Optical Fabrication and Testing (Optical Society of America) October 19, 2008, Rochester / New York / USA
- Temperature measurement using optical fiber with applications to automobiles considering a high accurate numerical solution for the conductive heat transport in a circular cylinder - SPIE Photonics Europe 05.04.2008, Strasbourg / France
- Die Macht der Animationen im Unterricht der Naturwissenschaften - eine didaktische Betrachtung: Energie der Didaktik - Beiträge zum 7. Tag der Lehre, 22.11.2007, Biberach / Riß / Germany
- Evaluation of Launch-Dependent Frequency Response of Multimode

Fibers for Subcarrier-  
Multiplexing (SCM) -  
Frontiers in Optics 2007 /  
Laser Science XXIII / Organic  
Materials and Devices for  
Displays and Energy  
Conversion (Optical Society  
of America), September 15,  
2007, San Jose / California /  
USA

## Diskussionsrunden

- SPIE Education Committee Meeting at Photonics West 2010, January 25, San Francisco / California / USA
- SPIE Education Committee Meeting at Optics & Photonics 2010, August 02, San Diego / California / USA
- SPIE Education Committee Meeting at Photonics West 2011, January 24, San Francisco / California / USA
- SPIE Education Committee Meeting at Optics & Photonics 2011, August 22, San Diego / California / USA (via Tel.)
- International Year of Light Regional Activities - Panel Discussions at Optics & Photonics 2014, August 18, San Diego / California / USA
- International Year of Light - Interactive Projects and IYL Poster Presentation - Opening Ceremony, UNESCO Paris 19-20 January, 2015
- SPIE Education Committee Meeting at Photonics West 2015, February 09, San Francisco / California / USA

## Sonstige

### Fachorganisationen

- Member of the organizing committee of the "Informations Technische Gesellschaft" ITG, workgroup 5.4. (Mitglied im Fachausschuss 5.4. der Informationstechnischen Gesellschaft ITG im VDE)
- Committee Member: Photonics in the Automobile - Photonics Europe 2008 Strasbourg (EPE118)
- Session Chair: Photonics Sensing in the Automotive - Photonics Europe 2008 Strasbourg (EPE118)
- Committee Member: Photonics in the Transportation Industry; Auto to Aerospace II, 7 April 2008, Orlando, Florida / USA
- Conference Chair of the SPIE Eco Photonics, 28 - 31 March 2011, Strasbourg / France
- Conference Chair, Education for a Sustainable Engineering Workforce for a Green Future (Conference EGP104 - Eco Photonics), 28 - 31 March 2011, Strasbourg / France
- Photonic Applications for Aerospace, Transportation, and Harsh Environment II, 25 April 2011 Orlando, Florida, USA
- Member Steering Committee, Research and Innovation for Transport Systems of the Future - International Symposium, Paris, 2012

### Mitgliedschaften

- Member OSA - Optical Society of America
- Senior Member SPIE - The International Society for Optics and Photonics

- Member VDE

### Gutachtertätigkeiten

- Dissertationsgutachten an der Universität Strasbourg

### Weitere Aktivitäten

- Member Deutscher Verband für Fotografie e.v.

### Links

- [Eclipse Live](#)
- [International Year of Light 2015](#)
- [Optical Society of America - Optics & Photonics News - Photo Contests Gallery](#)
- [Shell Eco Marathon Live](#)
- [SPIE Eco-Photonics](#)
- [Sprechstundenreservierung](#)
- [Umzug Lok](#)