

E ORAL PRESENTATIONS (* INVITED TALK)

Ch. Bosshard

"Cascading without Phase-matching"

Conference on Lasers and Electro-optics, Baltimore, USA

22.-26.5.95

Ch. Bosshard

"Hydrazone Derivatives, an Efficient Class of Crystalline Materials for Nonlinear Optics"

Conference on Lasers and Electro-optics, Baltimore, USA

22.-26.5.95

* **Ch. Bosshard**

"Organic Materials for Electro-Optic Applications"

Chemische-Technische Fakultät, Universität von Pardubice, CZ

15.6.95

* **Ch. Bosshard**

"Organic Materials for Electro-Optic Applications"

Academy of Sciences of the Czech Republic, Prague, CZ

16.6.95

Ch. Bosshard

"Cascaded Nonlinearities in Organic and Inorganic Single Crystals"

Second International Conference on Organic Nonlinear Optics

(ICONO-2), Kusatsu, J

23.-26.7.95

Ch. Bosshard

"Nonlinear Optical Properties of Hydrazone Derivatives"

Second International Conference on Organic Nonlinear Optics (ICONO '2),

Tokyo, Kusatsu, Japan

23.-26.7.95

T. Dietrich

"Organic Thin Films for Nonlinear Optics"

Annual Meeting of the SPP Optique, ETH, Zürich

13.6.95

T. Dietrich

"Organic Thin Films for Nonlinear Optic, Electrooptic and Photorefractive Applications"

Herbstversammlung, Neue Schweizerische Chemische Gesellschaft, Bern

20.10.95

T. Dietrich

"Growth of Organic Periodic Structures by Molecular Layer Deposition"

MRS 1995 Fall Meeting, Boston, USA

28.11.95

L. Eng

"Strukturelle und optische Untersuchungen der flüssig/Gas und der Gas/fest Grenzfläche"

NFP 24 Schlusstagung, Bern, Switzerland

24.1.95

L. Eng

"Scanning Force Microscopy of Ferroelectric Crystals"

8th European Meeting on Ferroelectricity (EMF), Nijmegen, NL

4.-8.7.95

* **L. Eng**

"Approaching the Liquid/Air Interface with Scanning Force Microscopy"

8th International Conference on Scanning Tunneling Microscopy (STM),

Snowmass Village, CO, USA

23.-28.7.95

L. Eng

"Domain Wall Motion in Ferroelectric Crystals Observed by Scanning Force Microscopy"

8th International Conference on Scanning Tunneling Microscopy (STM),

Snowmass Village, CO, USA

23.-28.7.95

L. Eng

"Optical and structural properties of Langmuir-Blodgett films at the air/water and the air/solid interface"

29th Microbeam Analysis Systems Meeting (MAS), Breckenridge, CO, USA

6.-11.8.95

L. Eng

"Approaching the Liquid/Air Interface by Scanning Force Microscopy"

Herbsttagung der SPG, St. Gallen

7.9.95

L. Eng

"Deconvolution of Topographical and Ferroelectric Contrast by Scanning Force Microscopy"

Herbsttagung der SPG, St. Gallen

7.9.95

L. Eng

"Optical and Structural Properties of Langmuir-Blodgett Films at the Air/Water Interface"

6th Conference Appl. Surf. and Interface Analysis (ECASIA '95), Montreux

9.-13.10.95

* **L. Eng**

"Powerful Scanning Force Microscopy - when other techniques fail"

Topometrix Workshop, Lausanne, Switzerland

20.10.95

D. Fluck

"High-gain Two-beam-coupling in Proton-implanted Fe-doped KNbO₃ Planar-waveguides"

Conference on Lasers and Electrooptics (CLEO '95), Baltimore, USA

21.-26.5.95

D. Fluck

"Frequenzverdopplung in KNbO₃ Wellenleitern: kompakte blaue Laser"

Institut für Schicht und Ionentechnik, Forschungszentrum (KFA) Jülich, D

17.11.95

M. Friedrich

"Scanning Force Microscopy of Ferroelectric Crystals"

8th European Meeting on Ferroelectricity (EMF), Nijmegen, NL

4.-8.7.95

F. Gitmans

"Structure and Properties of LiTaO₃ Thin Films Grown by Modified Gas Source MBE"

First European Conference on Integrated Ferroelectrics (EMIF 1), Nijmegen, NL

3.-5.7.95

* **P. Günter**

"Novel Electro-Optic Polyimide and Polyamide Side Chain and Main Chain Polymers"

3rd International Conference on Frontiers of Polymers and Advanced Materials, Kuala Lumpur, Malaysia

15.-20.1.95

* **P. Günter**

"Optical Frequency Doubling in KNbO₃ Waveguides"

Center for Research on Electro-optics and Lasers (CREOL), University of Central Florida, Orlando, FL, USA

19.5.95

* **P. Günter**

"Photorefractive Effects and Materials"

2nd Mediterranean Workshop and Topic Meeting "Novel Optical Materials and Applications" (NOMA), Cetraro, I

29.5.-2.6.95

* **P. Günter**

"Organic and Inorganic Photorefractive Materials" (Keynote Lecture)

Second International Conference on Organic Nonlinear Optics (ICONO-2), Kusatsu, J

23.-26.7.95

* **P. Günter**

"Photorefractive Materials and Applications"

Third International Aalborg Summer School on Nonlinear Optics, Aalborg, DK

7.-12.8.95

* **P. Günter**

"Optical Data Storage in Photorefractive Materials"

Third International Aalborg Summer School on Nonlinear Optics, Aalborg, DK

7.-12.8.95

- * **P. Günter**
"Nonlinear Optics in Organic Crystals, Langmuir-Blodgett Films and Polymers"
Third International Aalborg Summer School on Nonlinear Optics, Aalborg, DK
7.-12.8.95
- P. Günter**
"Discrimination of Enclosed Images by Weighted Storage in an Optical
Associative Memory"
Organic Thin Films for Photonics Applications 1995, Optical Society of
America, Annual Meeting, Portland, Oregon, USA
11.-14.9.95
- P. Günter**
"Photoassisted Ferroelectric Domain Fixing for Volume Hologram Storage"
11th Interdisciplinary Laser Science Conference (ILS-XI), Portland, Oregon,
USA
10.-15.9.95
- * **P. Günter**
"Guided-Wave Nonlinear Optics in Langmuir-Blodgett Films"
University of California, Davis, CA, USA
10.10.95
- * **P. Günter**
"Current Research on Photorefractive Effects"
Stanford University, Stanford, CA, USA
11.10.95
- * **P. Günter**
"Polyimide Side-Chain and Polyamide Main-Chain Polymers for Electro-Optic
Applications"
Polymer Seminar, Dept. of Chemistry, University of Southern California, Los
Angeles, CA, USA
24.10.95
- * **P. Günter**
"Current Research on Photorefractive Effects"
Physics Department, University of Southern California, Los Angeles, CA, USA
25.10.95
- * **P. Günter**
"Current Research on Photorefractive Effects and Hologram Fixing"
California Institute of Technology, Pasadena, CA, USA
27.10.95
- * **P. Günter**
"Nonlinear Optical Effects in Organic Crystals and Polymers"
Solid State Physics Seminar, Universidad Nacional Autónoma de México
(UNAM), México D.F., México
29.11.95
- * **P. Günter**
"Photorefractive Effects and Photonics"
Physics Department, Universidad Nacional Autónoma de México (UNAM),
México D.F., México
30.11.95

R. Kind

"⁸⁷Rb 2 D Exchange NMR Investigation of the Cluster Dynamics in the Deuteron Glass D-RADP-50"
12th Specialized Colloque AMPERE, Korfu, GR
9.-15.9.95

Th. König

"Ferroelectric Islands in a Sea of Glass"
8th European Meeting on Ferroelectricity (EMF), Nijmegen, NL
4.-8.7.95

Th. Marty

"Application of Absorption Measurements to the Temperature Determination of a Cloud of Cold Cesium Atoms"
Herbsttagung der SPG, St. Gallen
7.9.95

C. Medrano

"Photorefractive Effect in the Near Infrared in KNbO₃"
Conference on Lasers and Electrooptics (CLEO '95), Baltimore, USA
21.-26.5.95

C. Medrano

"Photorefractive Response Time and Infrared Sensitivity in Fe, Ni, Cu, Ce, Co, Mn and Rh doped Crystals"
Photorefractive Materials, Effects and Devices (PR '95), Estes Park, Colorado, USA
11.-14.6.95

C. Medrano

"Enhanced Infrared Photorefractive Sensitivity in Doped KNbO₃ Crystals"
Optical Society of America Annual Meeting, Portland, Oregon, USA
10.-16.9.95

* **C. Medrano**

"El efecto fotorefractivo en KNbO₃ en el infrarojo"
Istituto de Física, Universidad Nacional Autónoma de México (UNAM), México D.F., México
8.11.95

G. Montemezzani

"Photorefractive Effects in the Ultraviolet"
Laser Seminar, ETH, Zürich
26.6.95

* **G. Montemezzani**

"The Photorefractive Effect: Principle and Applications"
Paul Scherrer Institut, Zürich
18.9.95

* **G. Montemezzani**

"Nonlinear Dynamics of Photorefractive Resonators for Optical Processing"
Institut d'Optique, Université Paris-Sud, Orsay, F
19.9.95

K. Nakagawa, M. Zgonik, T. Minemoto and P. Günter
"Optical Thresholder by Self-Pumped Phase Conjugate Mirror"
The 56th Autumn Meeting 1995 of the Japan Society of Applied Physics,
Kanazawa Institute of Technology, Kanazawa, Japan
26.-29.8.95

K. Nakagawa, M. Zgonik, P. Günter and T. Minemoto
"Optimum Configuration in Self Pumped Phase Conjugate Mirror with a Ring
Cavity"
Japan Women's University, Tokyo, Japan
20.-22.9.95

F. Pan
"Crystal Growth and Properties of Nonlinear Optical Derivatives of
Benzaldehyde Phenylhydrazone and DAST"
International Conference on Crystal Growth XI, Den Haag, NL
18.-23.6.95

H. Pierhöfer
Fabrication and Pyroelectric Response of a Hybrid Pyroelectric Detector Based
on Epitaxial $K_{0.9}Na_{0.1}Ta_{0.6}Nb_{0.4}O_3$ Thin Films"
First European Conference on Integrated Ferroelectrics (EMIF 1), Nijmegen, NL
3.-5.7.95

T. Pliska
"Blue-green Laser by Frequency Doubling a Master Oscillator Power Amplifier
Diode Laser in a $KNbO_3$ Crystal"
Herbsttagung der SPG, St. Gallen
7.9.95

I. Poberaj
"Nonlinear Optics for Doppler Wind Lidar Applications"
European Space Agency (ESA) Doppler Wind Lidar Workshop, Noordwijk, NL
20.-22.9.95

Ph. Prêtre
"Relaxation Processes in Nonlinear Optical Side Chain Polyimide Polymers"
Organic Thin Films '95 (Joint Meeting Optical Society of America and American
Chemical Society), Portland, Oregon, USA
11.-14.9.95

R. Schlessler
"Organic Thin Films for Nonlinear Optics"
Annual Meeting of the SSP Optique, ETH, Zürich
13.6.95

R. Schlessler
"Molecular Beam Deposition of Organic Nonlinear Optical Materials"
MRS 1995 Fall Meeting, Boston, USA
27.11.95

R. Spreiter
"Kerr Nonlinearity via Cascaded Optical Rectification and the Linear Electro-
Optic Effect"
Herbsttagung der SPG, St. Gallen
7.9.95

* **Z. Sitar**

"Organic Molecular Beam Epitaxy - Technique and Applications"
Colloquium at the North Carolina State University, Raleigh, NC, USA
8.9.95

Z. Sitar

"Homo and Heteroepitaxial Growth of LiTaO₃ and LiNbO₃ by Molecular Beam Epitaxy"
Symposium on Epitaxial Oxide Thin Films II, Materials Research Society 1995
Fall Meeting, Boston Massachusetts, USA
26.11.-1.12.95

S. Grafstöm and **D. Suter**

"Laserspektroskopie spinpolarisierter Atome in der Nähe einer dielektrischen Oberfläche"
Frühjahrstagung der DPG, Innsbruck, A
28.2.95

D. Suter and T. Blasberg

"Laser-assisted NMR of Quadrupoler Spins"
36th Experimental NMR Conference, Boston, USA
30.3.95

D. Suter and T. Blasberg

"Laser-assisted NMR of Quadrupoler Spins"
Exxon Corporate Research Laboratory, Annendale, NJ, USA
7.4.95

D. Suter

"Laser-unterstützte magnetische Resonanz"
Physikalisches Kolloquium, Universität Wien, A
25.4.95

D. Suter

"Optically Enhanced Magnetic Resonance"
Laser seminar, Institute of Advanced Studies, Australian National University,
Canberra, AUS
29.6.95

D. Suter

"Evanescent Wave Spectroscopy of Atom-Surface Interactions"
The Tenth Conference of The Australian Optical Society, Brisbane, AUS
5.-7.7.95

D. Suter

"Coherent Raman Beats in Pump and Probe"
12th Conference of the International Society of Magnetic Resonance
(ISMAR '95), Sydney, Australia
16.-21.7.95

* **M. Zgonik**

"Photoassisted Ferroelectric Domain Fixing for Volume Hologram Storage"
Conference on Lasers and Electrooptics (CLEO '95), Baltimore, USA
21.-26.5.95

M. Zgonik

"Wavelength Dispersion and Temperature Dependence of Electrooptic and Elastooptic Response of BaTiO₃ and KNbO₃ Crystals"

Conference on Lasers and Electrooptics (CLEO '95), Baltimore, USA

21.-26.5.95

M. Zgonik

"Temperature Dependence and Wavelength Dispersion of Electrooptic Effect in KNbO₃ and BaTiO₃ Crystals"

Photorefractive Materials, Effects and Devices (PR '95), Estes Park, Colorado, USA

11.-14.6.95

M. Zgonik

"Photorefractive Associative Memory which can Discriminate Enclosed Images by Weighted Storage"

Photorefractive Materials, Effects and Devices (PR '95), Estes Park, Colorado, USA

11.-14.6.95

M. Zgonik

"Electro-Optic Response of Doped KNbO₃ and BaTiO₃ Crystals"

Southern European Meeting on Dynamical Properties of Disordered Solids, Bled, SLO

18.-22.9.95