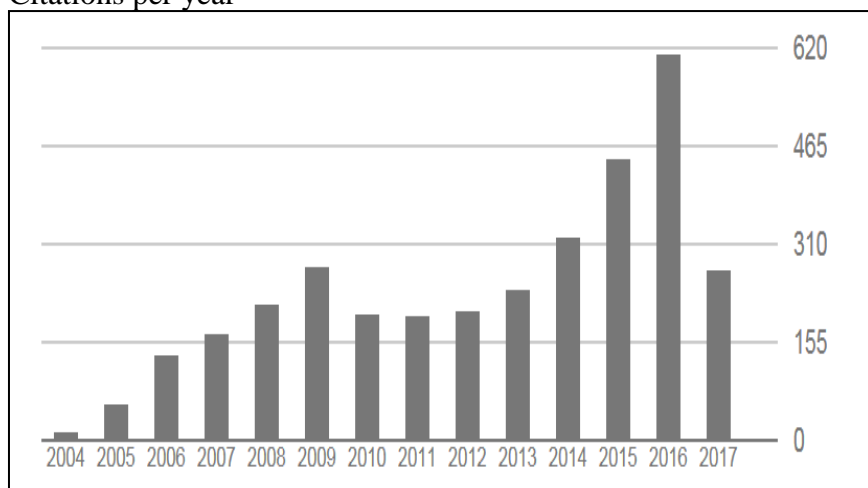


15/6/2017

Content (hyperlink)[\(I\) Peer-reviewed Journal Papers \(2004-2017\)](#)[\(II\) Conference contributions \(2003-2017\)](#)

Citations per year

citations **3360**h-index **27**H10-index **53**

(15/6/2017)

(I) Peer-reviewed Journal Papers

2017

1. A. Trisorio, M. Divall, S. Hunziker, M. Kaiser, A. Romann, C. Vicario and C.P. Hauri, "Ultra low-noise synchronisation of a commercial laser oscillator for free electron laser applications," *PRST-AB accepted* (2017)
2. M. Shalaby, C. Vicario, and C.P. Hauri, "Single Silicon CMOS platform for multi-spectral detection from THz to X-rays," *Optics Letters accepted* (2017)
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4. C. Milne, C.P. Hauri et al. "The Swiss X-ray Free Electron Laser," **review paper**, *Appl. Sciences* (2017)
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(II) Conference contributions (2003-2017)

2017

- (1) C.P. Hauri, **invited talk**, “Intense THz generation and nonlinear applications,” Ultrafast Optics Conference (UFO XI), Oct 8-13, Jackson Hole, Wyoming (USA)
- (2) C.P. Hauri, **invited talk**, “Intense laser-based THz sources for XFEL experiments,” Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
- (3) C.P. Hauri, **invited talk**, THz workshop at European XFEL, June 1-2, Hamburg, Germany (2017)
- (4) C.P. Hauri, **invited talk**, IEEE international Magnetics conference, April 24-28, Dublin, Ireland (2017)
- (5) C. Vicario, C.P. Hauri, **invited talk**, URSI-GASS Symposium Terahertz Sources and Applications, Aug. 19-26, Montreal, Canada (2017)
- (6)
- (7) J. Réhault, R. Borrego-Varillas, A. Oriana, C. Manzoni, C.P. Hauri, J. Helbing, G. Cerullo, “Linear and nonlinear Fourier-Transform Spectroscopy in the vibrational Fingerprint Region with a birefringent Interferometer,” talk 847/CF-10.1, CLEO Europe/IQEC, 25-29 June, Munich, Germany (2017)
- (8) A. Trisorio, M. Divall, S. Hunziker, M. Kaiser, A. Romann, C. Vicario, C.P. Hauri, “Ultra low-noise ytterbium optical oscillator for next-generation free electron lasers,” poster CA-P.2, CLEO Europe/IQEC, 25-29 June, Munich, Germany (2017)
- (9) C. Vicario, M. Shalaby, A. Ovchinnikov, O.V. Chefonov, C.P. Hauri, “Highly versatile narrowband Terahertz source providing extreme field strength,” talk CC-1.5, CLEO Europe/IQEC, 25-29 June, Munich, Germany (2017)
- (10) C. Vicario, M. Shalaby, L. Losev, A.V. Konyashchenko, C.P. Hauri, “Multi-mJ Raman frequency shifter for high-field THz generation in organic crystals,” poster CD-P.11, CLEO Europe/IQEC, 25-29 June, Munich, Germany (2017)
- (11) M. Shalaby, C. Vicario, A. Donges, K. Carva, P.M. Oppeneer, U. Nowak, C.P. Hauri, “Off-resonant magnetization dynamics in ferromagnetic thin films initiated by ultrastrong THz field,” talk 1437/CC-1.1, CLEO Europe/IQEC, 25-29 June, Munich, Germany (2017)
- (12) M. Shalaby, C. Vicario, C.P. Hauri, talk, “Novel THz detector based on photo-thermal-acoustic effect in 3-dimensional graphene,” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (13) C.P. Hauri, M. Shalaby, C. Vicario, talk, “Non-resonant magnetization dynamics in ferromagnetic thin films driven by an intense single-cycle THz pulse,” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (14) F. Giorgianni, M. Shalaby, C. Vicario, and C.P. Hauri, talk, “Light-induced out of equilibrium terahertz plasmonics in Bi₂Se₃ topological insulator,” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (15) M. Shalaby, C. Vicario, and C.P. Hauri, poster, “Highly versatile narrowband Terahertz source providing extreme field strength,” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (16) M. Shalaby, C. Vicario and C.P. Hauri, poster, “Multispectral detection from x-ray to THz on standard silicon CCD and CMOS sensors” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (17) M. Shalaby, C. Vicario and C.P. Hauri, poster, “Intense THz source based on BNA organic crystal pumped at conventional Ti:sapphire wavelength,” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (18) C. Vicario, M. Shalaby, and C.P. Hauri, poster, “Sub-cycle cross-phase modulation in GaP induced by ultrastrong THz field” Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (19) C. Vicario, M. Shalaby, and C.P. Hauri, poster, “Multi-mJ Stokes pulses for high-field THz

- generation in organic crystals," Optical Terahertz Science & Technology Conference (OTST), April 2-7, London, UK (2017)
- (20) M. Shalaby, C. Vicario, F. Giorgianni, A. Donges, K. Carva, P. Oppeneer, U. Nowak and C.P. Hauri "Off-resonant magnetization dynamics in Co, Fe and Ni thin films driven by an intense single-cycle THz field," oral contribution Stu1J.1., Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
 - (21) C. Vicario, M. Shalaby, F. Giorgianni, A. Ovchinnikov, O. Chefonov and C.P. Hauri "Broadband and narrowband terahertz source at extreme field strength," oral contribution Stu3J.6., Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
 - (22) M. Shalaby, C. Vicario, F. Giorgianni, and C.P. Hauri "Photo-thermal-acoustic THz detection based on 3-dimensional graphene," poster JW2A, Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
 - (23) F. Giorgianni, M. Shalaby, C. Vicario, C.P. Hauri, S. Lupi "Photoinduced dynamics of terahertz plasmonics response in Bi₂Se₃ topological insulator," oral contribution FF1F.1., Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
 - (24) P.R. Bowlan, M. Shalaby, S. Trugman, A. Chen, Q.X. Jia, C. Vicario, A. Taylor, D. Yarotski, C.P. Hauri, R.P. Prasankumar, "Nonlinear polaron dynamics in colossal magnetoresistance manganites driven by intense THz pulses," oral contribution FF1F.8, Conference on Laser and Electro-Optics CLEO2017, May 14-19, San Jose, USA (2017)
 - (25) A. Donges, M. Shalaby, C. Vicario, K. Carva, P.M. Oppeneer, C.P. Hauri, U. Nowak, "Off-resonant excitation of Co films by intense single-cycle THz pulses: computer simulations and experiments," talk, DPG annual meeting, Dresden, Germany (2017)

2016

- (26) C.P. Hauri, **invited talk**, Annual Conference on Magnetism and Magnetic Materials (MMM), Oct. 31-Nov 4. 2016, New Orleans (USA)
- (27) C.P. Hauri, **keynote talk**, 8th Int. Symposium on Ultrafast Phenomena and Terahertz Waves (ISUPTW), Chongqing, China, Oct. 10-12 (2016)
- (28) C.P. Hauri, **invited talk**, Photonics Asia 2016, Oct. 12-14, Beijing, China (2016)
- (29) C.P. Hauri, **invited talk**, ELI-ALPS user workshop, 10-11 Nov, Szeged, Hungary (2016)
- (30) C.P. Hauri, **invited talk**, 12th international Conference on Nano-molecular Electronics, Dec 14-16, Kobe, Japan (2016)
- (31) C.P. Hauri, **invited talk**, 25th Laser Physics Workshop LPHYS'16, July 11-15, Yerevan, Armenia (2016)
- (32) C. Vicario, C.P. Hauri "Laser spectral broadening via nonlinear THz electro-optical effect" **invited talk**, EMN meeting on Terahertz 2016, May 14-18, San Sebastian, Spain (2016)
- (33) C.P. Hauri, "Terahertz strong-field phenomena in condensed matter," **invited talk**, EMN meeting on Terahertz 2016, San Sebastian, May 14-18, Spain (2016)
- (34) C.P. Hauri, IRMMW-THz, **keynote talk**, "Visualization of THz radiation on silicon-based CCD and CMOS sensor at high resolution," IRMMW-THz conference, Sept 25-30, Copenhagen, Denmark (2016)
- (35) C. Vicario, C.P. Hauri, "Strong-field THz drives electro-magnetic nonlinear dynamics in GaP and ferromagnets," **invited talk**, 5th EOS topical meeting on THz Science & Technology, May 8-11, Pecs, Hungary (2016)
- (36) M. Shalaby, C. Vicario, C.P. Hauri, "Terahertz-induced demagnetization in ferromagnets," IRMMW-THz conference, Sept 25-30, Copenhagen, Denmark (2016)
- (37) C. Vicario, M. Shalaby, C.P. Hauri, "Extreme laser spectral broadening driven by intense THz field," IRMMW-THz conference, Sept 25-30, Copenhagen, Denmark (2016)
- (38) M. Shalaby, C. Vicario, C.P. Hauri, "Intense THz source based on BNA organic crystal pumped at conventional Ti:sapphire wavelength," IRMMW-THz conference, Sept 25-30, Copenhagen, Denmark (2016)

- (39) C. Vicario, M. Shalaby, C.P. Hauri, "Multi-mJ infrared femtosecond hydrogen Raman laser," IRMMW-THz conference, Sept 25-30, Copenhagen, Denmark (2016)
- (40) C. Vicario, M. Shalaby, C.P. Hauri, "Extreme spectral broadening by cross-phase modulation driven by an intense THz transient", oral contribution, Int. Conference on Ultrafast Phenomena, July 17-22, Santa Fe, USA (2016)
- (41) C. Vicario, C.P.Hauri, "Hydrogen Raman laser for high-energy femtosecond pulse production at 1.28 μm ", poster presentation, Int. Conference on Ultrafast Phenomena, July 17-22, Santa Fe, USA (2016)
- (42) M. Shalaby, C. Vicario, C.P.Hauri, "Visualization of Terahertz radiation on silicon-based CMOS and CCD sensors," oral contribution, Int. Conference on Ultrafast Phenomena, July 17-22, Santa Fe, USA (2016)
- (43) Carlo Vicario, Mostafa Shalaby, Leonid Losev, Alexander Konyashchenko, Christoph P. Hauri, "High-energy Femtosecond Hydrogen Raman Laser," oral contribution SM3M.4, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (44) C. Vicario, M. Shalaby, C.P. Hauri, "Extreme Cross-Phase Modulation Driven by Intense THz Field", oral contribution FF1M.6, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (45) M. Shalaby, C.P. Hauri, "Air nonlinearity triggered by an ultra-intense 33 MV/cm and sub-5 THz light bullet", poster presentation JTh2A.41, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (46) M. Shalaby, C.P. Hauri, "Spectrally intense terahertz source based on triangular Selenium", poster presentation JTh2A.63, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (47) M. Shalaby, C. Vicario, C.P. Hauri, "Anomalous visualization of sub-2 THz radiation on silicon-based CMOS and CCD sensors", oral contribution STh3I.4, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (48) M. Shalaby, C. Vicario, C.P. Hauri, "Simultaneous electronic and magnetic excitation of ferromagnetic cobalt by intense THz pulses", oral contribution SM3L.1, Conference on Laser and Electro-Optics CLEO2016, June 5-10, San Jose, USA (2016)
- (49) C. Vicario, G. Arisholm, B. Monoszalai, C.P. Hauri, "Multioctave IR pulses generation in DAST crystal," SPIE Photonics West, 13-18 Feb, talk 9731-33, San Francisco, USA (2016)
- (50) C. Vicario, M. Shalaby, C.P. Hauri, "Large cross-phase modulation driven by intense THz field." SPIE Photonics West, 13-18 Feb, talk 9747-70, San Francisco, USA (2016)

2015

- (51) C.P. Hauri "Terahertz-driven strong-field effects in magnetic thin films, semiconductors and air," **invited talk**, EMN meeting on ultrafast research, Nov 16-19, Las Vegas, USA (2015)
- (52) C.P. Hauri "Organic THz emitters for high-field THz science," **invited talk**, Laser Physics Workshop LPHYS'15, Aug 21-25, Shanghai, China (2015)
- (53) M. Shalaby, C. Vicario and C.P. Hauri, "Air nonlinearity triggered by an ultra-intense sub-5 THz light bullet," oral contribution, IRMMW-THz conference, Aug. 24-28, Hong Kong (2015)
- (54) C. Vicario, A.V. Ovchinnikov, M. Shalaby, S.I. Ashitkov, C.P. Hauri, "THz pulses up to mJ from organic crystal pumped by a Cr:Forsterite laser," oral contribution, IRMMW-THz conference, Aug. 24-28, Hong Kong (2015)
- (55) M. Shalaby, C.P. Hauri, "Extreme THz brightness by focusing to a lambda-cubic volume," oral contribution, IRMMW-THz conference, Aug. 24-28, Hong Kong (2015)
- (56) M. Shalaby, C. Vicario, C.P. Hauri, "Terahertz light bullet induced nonlinearity in a gold thin film," poster contribution, IRMMW-THz conference, Aug. 24-28, Hong Kong (2015)
- (57) C. Vicario, M. Shalaby and C.P. Hauri, "Air nonlinearity triggered by an ultra-intense sub-5 THz light bullet," CC-P.16, CLEO Europe/IQEC, 21-5 June, Munich, Germany (2015)
- (58) C. Vicario, M. Shalaby and C.P. Hauri, "Large spectral broadening by cross-phase modulation with intense THz field," CC-P.2, CLEO Europe/IQEC, 21-5 June, Munich, Germany (2015)

- (59) C. Vicario, A. Ovchinnikov, S. Ashitkov, M. Agranat and C.P. Hauri, "THz pulses at mJ level from organic crystal pumped by a Cr:Mg₂SiO₄ laser," CC-3.2, CLEO Europe/IQEC, 21-5 June, Munich, Germany (2015)
- (60) M. Shalaby and C.P. Hauri, "Terahertz brightness at the extreme: Demonstration of a low frequency 8.3 GV/m lambda cubic THz bullet" CC-3.4, CLEO Europe/IQEC, 21-5 June, Munich, Germany (2015)
- (61) C. Vicario, B. Monoszlai, M. Jazbinsek, S.H. Lee, O.P. Kwon and C.P. Hauri, "Strong field tunable over the entire THz gap," CC-3.6, CLEO Europe/IQEC, 21-5 June, Munich, Germany (2015)
- (62) C. Vicario, C.P. Hauri, "High field tunable over the entire THz gap frequencies", Optical Terahertz Science & Technology Conference (OTST), March 8-13, San Diego, USA (2015)
- (63) C. Vicario, C.P. Hauri, "Femtosecond magnetization in ferromagnet coupled to strong THz field", Optical Terahertz Science & Technology Conference (OTST), March 8-13, San Diego, USA (2015)
- (64) M. Shalaby, C.P. Hauri, "Terahertz brightness at the extreme: demonstration of a low frequency 8.3 GV/m, lambda-cubic THz bullet", talk 108, Optical Terahertz Science & Technology Conference (OTST), March 8-13, San Diego, USA (2015)
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- (66) M. Shalaby, C.P. Hauri, "Spectrally intense THz source based on triangular selenium", Optical Terahertz Science & Technology Conference (OTST), March 8-13, San Diego, USA (2015)
- (67) M. Shalaby and C.P. Hauri, "Air nonlinearity triggered by an ultraintense sub-5 THz light bullet", Optical Terahertz Science & Technology Conference (OTST), March 8-13, San Diego, USA (2015)
- (68) M. Divall, A. Romann, P. Mutter, S.G. Hunziker and C.P. Hauri, "Laser arrival measurement tools for SwissFEL," Advances in X-ray Free-Electron Lasers Instrumentation, 13-16 April, paper 9512-67, Prague, Czech Republic (2015)
- (69) M. Shalaby, C. Vicario, J. Luning, C.P. Hauri, "Simultaneous excitation of the magnetic and electronic systems in a ferromagnetic cobalt by ultra intense λ^3 THz bullet," oral contribution 9361-57, Photonics West, SPIE OPTO, San Francisco, USA (2015)
- (70) C.P. Hauri, C. Vicario "A new scheme for ultra-intense terahertz pulse production and nonlinear THz science," oral contribution 9362-12, Photonics West, SPIE OPTO, February 6-12, San Francisco, USA (2015)
- (71) F. Ardana-Lamas, C. Erny, A. Stepanov, I. Gorgisyan, P. Juranic, C.P. Hauri, "Temporal characterization of full attosecond pulse by THz streaking," oral contribution 9361-70, Photonics West, SPIE OPTO, February 6-12, San Francisco, USA (2015)

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- (73) C.P. Hauri, "Giant electron emission from multifilament wires" Photocathode Physics for Photoinjectors (P3) workshop, **invited talk**, 3-5 Nov. Berkeley (USA) (2014)
- (74) B. Monoszlai, C. Vicario and C.P. Hauri, "GV/m single-cycle Terahertz fields from a laser-driven large-size partitioned organic crystal," ELI-ALPS 2nd user workshop 11-12 Sept., Szeged, Hungary (2014)
- (75) M. Shalaby, C. Vicario, B. Monoszlai and C.P. Hauri, "Towards GV/m and multiple Tesla fields in the THz gap from organic crystals," W4/E-24.7, IRMMW-THz international conference, 14-19 Sept. Tucson, USA (2014)

- (76) M. Shalaby, C. Vicario, C. Ruchert, P.M. Derlet, B. Tudu, J. Luning and C.P. Hauri, "Non-resonant ultrafast magnetization driven by THz pulses," **invited talk**, M3/E-12.1, IRMMW-THz international conference, 14-19 Sept. Tucson, USA (2014)
- (77) C. Vicario, B. Monoszlai, F. Ardana, C.P.Hauri, "Filling the entire Terahertz frequency gap by single-cycle MV/cm pulses," Wed.B.2, International Conference on Ultrafast Phenomena, July 7-11, Okinawa, Japan (2014)
- (78) F. Ardana, C. Vicario, P. Derlet, B. tudu, J. Luning, C.P. Hauri, "Coherent ultrafast magnetization dynamics non-resonantly induced in cobalt by an intense Terahertz transient," Wed.P3.35, , International Conference on Ultrafast Phenomena, July 7-11, Okinawa, Japan (2014)
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- (80) C. Vicario, B. Monoszlai, B. Ruiz, M. Jazbinsek, C. Medrano, C.P. Hauri, "Terahertz emission in organic crystals pumped by conventional laser wavelength", SPIE Photonics West 2014, Feb 4-6, San Francisco, USA (2014)
- (81) G. Gitzinger, V. Crozatier, R. Maksimenka, S. Grabielle, N.Forget, S. Alisauskas, A. Pugzlys, A. Baltuska, B. Monoszlai, C. Vicario, C.P. Hauri, "Multi-octave acousto-optic analyzer for mid-infrared pulsed sources", STh1N.5, Conference on Laser and Electro-Optics, CLEO2014, June 10-12, San Jose, USA (2014)
- (82) F. Ardana-Lamas, A. Stepanov, C. Erny, I. Grogisya, P. Juranic, C.P. Hauri, ""THz streaking of attosecond pulse trains," FM2B, Conference on Laser and Electro-Optics CLEO2014, June 10-12, San Jose, USA (2014)
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- (88) C. Vicario, B.Monoszlai, C. Ruchert, C.P. Hauri, "High-Field Laser-Based Terahertz Source for SwissFEL", TUPS087, FEL conference 2013, Aug. 26-30, New York, USA (2013)
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- (91) C. Vicario (INFN/LNF) A. Anghel, F. Ardana-Lamas, F. Le Pimpec (PSI) C.P. Hauri (EPFL)" High Brightness Electron BeamFromMultifilamentary Nb3SnMetallic Photocathode",TUPS085, FEL conference 2013, Aug. 26-30, New York, USA (2013)
- (92) P.N. Juranic, R. Abela, Ch. David, C.P. Hauri, R. Ischebeck, L. Patthey, V. Schlott," Photon Beam Diagnostics for SwissFEL: Intensity, Position, Spectrum, Pulse Length", TUPS034, FEL

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- (93) C. Vicario, B. Beutner, M.C. Divall, S. Hunziker, M.G. Kaiser, M. Luethi, M. Pedrozzi, T. Schietinger, C.P. Hauri, "Timing jitter measurements of the SwissFEL test injector," MOPS077, FEL conference 2013, Aug. 26-30, New York, USA (2013)
 - (94) A. Trisorio, S. Grabielle, M. Divall, N. Forget and C.P. Hauri, "Broadband, single shot self-referenced spectral interferometer for ultra-short pulse characterization in the IR," MoP.2, International Conference on Ultrafast Optics, March 4-8, Switzerland (2013)
 - (95) F. Ardana-Lamas, A. Trisorio, G. Lambert, B. Vodungbo, V. Malka, P. Zeitoun and C.P. Hauri, "Fully phase matched high harmonics generated in a hollow waveguide for free electron laser seeding around 10 nm," TuP.9, International Conference on Ultrafast Optics, March 4-8, Switzerland (2013)
 - (96) C. Vicario, C. Ruchert and C.P. Hauri, "Terahertz single-cycle pulses at 150 MV/cm field strength from organic crystals," talk Fr1.5, International Conference on Ultrafast Optics, March 4-8, Switzerland (2013)
 - (97) C. Vicario, C. Ruchert and C.P. Hauri, "Intense THz radiation produced in organic crystals for high-field applications," **invited** talk, SPIE Photonics West, Moscone Center 2-7 Feb, San Francisco, USA (2013)
 - (98) C. Vicario, C. Ruchert and C.P. Hauri, "Multi-octave MV/cm pulses filling the THz gap," talk CC-1.3, CLEO Europe/IQEC, 12-16 May, Munich, Germany (2013)
 - (99) A. Trisorio, S. Grabielle, M. Divall, N. Forget and C.P. Hauri, "XPW based self-referenced spectral interferometry for few-cycle pulse characterization in the short wavelength IR," CF/IE-P.21, CLEO Europe/IQEC, 12-16 May, Munich, Germany (2013)
 - (100) F. Ardana-Lamas, A. Trisorio, G. Lambert, B. Vodungbo, V. Malka, P. Zeitoun and C.P. Hauri, "Spectral characterization of fully phase matched high harmonics generated in a hollow waveguide for free electron laser seeding," talk CG-6.5, CLEO Europe/IQEC, 12-16 May, Munich, Germany (2013)

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- (101) C. Vicario, C. Ruchert, F. Ardana-Lamas, J. Luning and C.P. Hauri, "Coherent sub-cycle magnetization dynamics in cobalt initiated by strong single cycle THz pulses," oral contribution Tue.1.2, Ultrafast Phenomena, Lausanne July 8-13 (2012)
- (102) A. Trisorio, S. Grabielle, M. Divall, N. Forget and C.P. Hauri, "Self-referenced spectral interferometry for ultrashort infrared pulse characterization," poster presentation TUE.PII.15, Ultrafast Phenomena, Lausanne July 8-13 (2012)
- (103) C. Ruchert, C. Vicario, F. Ardana and C.P. Hauri, "Generation of single-cycle THz pulses with MV/cm field strength by highly efficient frequency conversion in organic crystals," poster presentation TUE.PII.8, Ultrafast Phenomena, Lausanne July 8-13 (2012)
- (104) T. Schietinger, M. Aiba, S. Bettoni, B. Beutner, M. Csatari Divall, K. Doshekenov, Y.-C. Du, M. Guetg, C.P. Hauri, R. Ischebeck, F. Le Pimpec, N. Milas, G.L. Orlandi, M. Pedrozzi, P. Peier, E. Prat, S. Reiche, B. Smit, A. Trisorio, C. Vicario, "Progress report on the SwissFEL injector test facility," International Particle Accelerator Conference, TUPP065, May 20-25, New Orleans, USA (2012)
- (105) Christoph P. Hauri, Fernando Ardana-Lamas, Marta Divall, Alexandre Trisorio, Carlo Vicario, Clemens Ruchert, "New laser developments for pump-probe experiments at SwissFEL," International conference on Free Electron Lasers, Nara, Japan (2012)
- (106) F. Ardana, F. Le Pimpec, A. Anghel and C.P. Hauri, "High brilliance electron beam extraction from metallic microstructured photocathode," talk ID204, Annual meeting of the Swiss Physical Society, Zurich 21-22, Switzerland (2012)
- (107) C.P. Hauri, C. Ruchert, C. Vicario, J. Luning "Coherent control of femtosecond magnetization dynamics by a strong THz pulse" talk ID118, Annual meeting of the Swiss Physical Society, Zurich 21-22 Aug., Switzerland (2012)
- (108) C. Vicario, C. Ruchert and C.P. Hauri "Single-cycle high-power THz pulses above 1 MV/cm" poster

contribution ID289, Annual meeting of the Swiss Physical Society, Zurich 21-22, Switzerland (2012)

2011

- (109) C.P. Hauri, "Latest developments for photoinjector, seeding and high-power THz laser systems, **invited talk**, TUOC11 International Free Electron Laser Conference, Aug. 21-26, Shanghai, China (2011)
- (110) A. Trisorio, C. Vicario and C.P. Hauri, "Efficient broadband harmonic generation for UV picosecond temporal pulse shaping," Conference on Lasers and Electro-Optics (CLEO), talk CMC7, Baltimore, USA (2011)
- (111) C. Vicario, A. Trisorio, C.P. Hauri, G. Arisholm, "High-energy deep UV temporal pulse shaping by chirp-assisted broadband frequency conversion," European Conference on Lasers and Electro-Optics (CLEO-Europe), oral talk, Munich, Germany (2011)

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- (112) A. Trisorio, C. Ruchert, C.P. Hauri, "Direct Temporal Shaping of High Energy Picosecond UV Pulses with a UV AOPDF Device", talk CMEE3, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2010)*, San Jose, USA (2010)
- (113) A. Trisorio, C. Ruchert, F. Ple, P.M. Paul, C. P. Hauri, "Ultra-stable 18 mJ Ti:Sa Amplifier System with Tunable Central Wavelength, Bandwidth and Pulse Duration," JThE82, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2010)*, San Jose, USA (2010)
- (114) C.P. Hauri, R. Ganter, B. Beutner, H.H. Braun, C. Gough, R. Ischebeck, F. LePimpec, M.L. Paraliiev, M. Pedrozzi, C. Ruchert, T. Schietinger, B. Steffen, A. Trisorio, C. Vicario, "Wavelength-tunable UV laser for electron beam generation with low intrinsic emittance," WEPD052, 1st International Particle Accelerator Conference, 23-28th May, Kyoto, Japan (2010)
- (115) F. LePimpec, B. Beutner, H.H. Braun, R. Ganter, C.H. Gough, C.P. Hauri, R. Ischebeck, S. Ivkovic, K.B. Li, M. Paraliiev, M. Pedrozzi, T. Schietinger, B. Steffen, A. Trisorio, "Results of the PSI diode-rf gun test stand operation", TUPE042, 1st international Particle Accelerator Conference, Kyoto, Japan May 23-28 (2010)
- (116) C.P. Hauri, R. Ganter, F. LePimpec, C. Ruchert, A. Trisorio, "High-power wavelength-tunable Ti:Sa amplifier system for ultra-cold electron generation for compact FELs", TuE3, Ultrafast Phenomena conference, July 18-23, Snowmass Village, USA (2010)
- (117) C. Vicario, R. Ganter, F. Le Pimpec, C. Hauri, S. Hunziker, C. Ruchert, T. Schietinger, A. Trisorio, "Photocathode drive laser for SwissFEL", poster presentation WEPD14, 32nd international Free Electron Laser Conference, Malmo, Aug 23-27, Sweden (2010)

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- (118) C.P. Hauri, R. Ganter, P.M. Paul, F. Ple, "Gun laser systems for the low-emittance SwissFEL", MOPC63, 31st International Free Electron Laser Conference, Liverpool UK (2009)
- (119) G. Lambert, J. Gautier, J.P. Goddet, T. Marchenko, G. Rey, M. Ribiere, S. Sebban, F. Tissandier, C. Valentin, P. Zeitoun, M. Fajardo, A. Sardinha, C.P. Hauri, "An intense kHz and aberration-free two-colour high harmonic source for seeding FELs from EUV to soft x-ray range", TUOB03, 31st International Free Electron Laser Conference, Liverpool UK (2009)
- (120) R. Ganter, B. Beutner, S. Binder, H. Braun, M. Broenimann, M. Dach, T. Garvey, C. Gough, C.P. Hauri, M. Heiniger, R. Ischebeck, S. Ivkovic, Y. Kim, F. LePimpec, K. Li, R. Luescher, P. Ming, A. Oppelt, M. Paraliiev, M. Pedrozzi, J.Y. Raguin, L. Rivkin, T. Schietinger, T. Schilcher, B. Steffen, A. Wrulich, "Commissioning of a diode/RF photogun combination at PSI," TUPC35, 31st international Free Electron Laser Conference, Liverpool UK (2009)

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Conference on Lasers and Electro-Optics (CLEO/QUELS 2008), San Jose, USA (2008)

- (122) C.P. Hauri, L.T. Vuong, A.L. Gaeta, "Optimized supercontinuum generation and pulse self-compression in filaments from the UV to the IR," talk CWI3, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2008)*, San Jose, USA (2008)
- (123) C.P. Hauri, G. Sansone, E. Benedetti, M. Nisoli, "Novel gas targets for efficient high-harmonic generation and more energetic attosecond pulse generation," talk JFF4, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2008)*, San Jose, USA (2008)
- (124) C.P. Hauri, A. Trisorio, "Polarization state dynamics in femtosecond filaments," talk CThA1, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2008)*, San Jose, USA (2008)
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- (126) C. Valentin, J. Gautier, E. Papalazarou, C.P. Hauri, G. Rey, P. Zeitoun, S. Sebban, V. Hajakova, J. Chalupsky, L. Vysin, L. Juha, "Spatial phase control and applications of high-order harmonics," poster TUE11c.12, *Ultrafast Phenomena*, June 9-13, 2008, Stresa, Italy
- (127) M. Pedrozzi, R.J. Bakker, R. Ganter, C. Gough, C.P. Hauri, R. Ischebeck, S. Ivkovic, Y. Kim, F. Le Pimpec, K. Li, P. Ming, A. Oppelt, M. Paraliiev, T. Schietinger, V. Schlott, B. Steffen, A.F. Wrulich, "First measurement results of the PSI 500 kV low emittance electron source," EPAC 2008, MOPC045, (2008)
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- (130) Y. Kim, A. Andersson, M. Dach, R. Ganter, T. Garvey, C. Gough, C.P. Hauri, R. Ischebeck, F. Le Pimpec, M. Paraliiev, M. Pedrozzi, T. Schietinger, V. Schlott, B. Steffen, A.F. Wrulich, "low thermal emittance measurements at the PSI XFEL low emittance gun test facility," MOPPH055, *international Free Electron Laser Conference, FEL08*, Gyeongju, Korea (2008)
- (131) F. Le Pimpec, R. Ganter, C. Gough, C.P. Hauri, M. Paraliiev, "Comparison of high gradient achievement for different metals in DC and pulsed DC mode," TUPPH001, *international Free Electron Laser Conference, FEL08*, Gyeongju, Korea (2008)
- (132) R.J. Bakker, A. Adelman, A. Anghel, M. Dehler, R. Ganter, C. Gough, C.P. Hauri, S. Ivkovic, F. Jenni, Y. Kim, C. Kraus, F. Le Pimpec, K. Li, P. Ming, A. Oppelt, B. Steffen, C. Oswald, M. Paraliiev, M. Pedrozzi, J.-Y. Raguin, L. Rivkin, S. Russell, T. Schietinger, V. Schlott, L. Schulz, A. Streun, F. Stulle, D. Vermeulen, F. Wei, A.F. Wrulich (PSI, Villigen), S. Leemann (MAX-lab, Lund), "Status of the 250 MeV Test Injector for the PSI XFEL ", Poster presentation, EPAC 2008
- (133) R. Ganter, A. Anghel, R. Bakker, M. Dehler, C. Gough, J. Gobrecht, C. Hauri, Y. Kim, E. Kirk, S. Tsujino, F. LePimpec, M. Paraliiev, V. Schlott, T. Schietinger, L. Rivkin, A. Wrulich, "photo-field emission source for free electron laser applications," *International Vacuum Electron Source Conference IVESC*, London, 3-6 August (2008)
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- (135) A. Trisorio, C.P. Hauri "Organization and characterizing multi-filaments in time and space," talk JWE3, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2007)*, Long Beach, USA (2007)
- (136) C.P. Hauri, A. Trisorio, M. Merano, G. Mourou "High-energy few-cycle pulse generation in a filament for relativistic applications at kHz repetition rate," talk JWE2, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2007)*, Long Beach, USA (2007)
- (137) C.P. Hauri, C. Blaga, E. Power, J. Cryan, R. Chirla, P. Colosimo, G. Doumy, A.M March, C.

- Roedig, E. Sistrunk, J. Tate, J. Wheeler, R. Lopez-Martens, K.D. Schultz, L.F. DiMauro, "Intense self-compressed carrier-envelope phase-locked few-cycle pulses at 2 μm ," **invited talk** JWE4, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2007)*, Long Beach, USA (2007)
- (138) L.T. Vuong, R.B. Lopez-Martens, C.P. Hauri, T. Ruchon, A. L'Huillier, M.A. Foster, A.L. Gaeta, "Optimal pulse compression via sequential filamentation," talk JWE1, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2007)*, Long Beach, USA (2007)
- (139) C.P. Hauri, A. Trisorio, "Organizing and characterizing multiple femtosecond filaments", talk CF1-6-Mon, *Conference on Lasers and Electro-Optics (Cleo-Europe)*, Munich, Germany (2007)
- (140) C.P. Hauri, C. Blaga, E. Power, J. Cryan, R. Chirla, P. Colosimo, G. Doumy, A.M March, C. Roedig, E. Sistrunk, J. Tate, J. Wheeler, R. Lopez-Martens, K.D. Schultz, L.F. DiMauro, "Intense self-compressed carrier-envelope phase-locked few-cycle pulses at 2 μm ," talk CG4-5-WED, *Conference on Lasers and Electro-Optics (Cleo-Europe)*, Munich, Germany (2007)
- (141) L.T. Vuong, R.B. Lopez-Martens, C.P. Hauri, T. Ruchon, A. L'Huillier, M.A. Foster, A.L. Gaeta, "Spatio-spectral shaping for pulse compression via sequential filamentation," talk CF1-3-Mon, *Conference on Lasers and Electro-Optics (Cleo-Europe)*, Munich, Germany (2007)
- (142) C.P. Hauri, **invited talk**, *Nonlinear Optics and Spectroscopy, Laser Physics conference (LPHYS 2007)*, August 20-24, Leon, Mexico (2007)
- (143) C.P. Hauri, "Novel gas targets for efficient IR-XUV conversion and more energetic attosecond pulses," *Annual Laserlab meeting*, 25-27 November, Madrid, Spain (2007)

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- (144) C.P. Hauri, K. Varju, T. Ruchon, E. Gustafsson, A. L'Huillier, R. Lopez-Martens, "Attosecond pulse trains generated in a filament," talk JTUe5, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2006)*, Long Beach, USA (2006)
- (145) C.P. Hauri, T. Ruchon, F. Canova, E. Power, A. L'Huillier, R. Lopez-Martens, "Self-compression of ultrashort pulses in filaments," talk JThE5, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2006)*, Long Beach, USA (2006)
- (146) C. D'Amico, C.P. Hauri, A. DosSantos, A. Mysyrowicz, "Filament Amplification in a Liquid," talk QTuB5, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2006)*, Long Beach, USA (2006)
- (147) E. Power, R. Lopez-Martens, C.P. Hauri, F. Canova, T. Ruchon, J. Nees, J. Pentland, V. Yanovsky, A. L'Huillier, G. Mourou, "Dispersion-free interferometric autocorrelator for measurement of ultra-broadband pulses," talk CtuC2, *Conference on Lasers and Electro-Optics (CLEO/QUELS 2006)*, Long Beach, USA (2006)
- (148) A. Heinrich, C.P. Hauri, W. Kornelis, P. Schlup, M.P. Ancombe, J. Biegert, U. Keller, K.J. Schafer, M.B. Gaarde, "VUV-assisted enhancement of high harmonic generation," talk 824CE6, *Meeting of the Swiss Physical Society (SPS)*, Lausanne, Switzerland (2006)
- (149) C.P. Hauri, M. Merano, A. Trisorio, R.B. Lopez-Martens, "High-energy down-chirped few-cycle pulse generation in filaments," poster TuG11, *Ultrafast Phenomena conference 2006*, Pacific Grove, California, USA
- (150) D. Aron-Rosa, C.P. Hauri, M. Merano, A. Trisorio, "Femtosecond Surgery – from nanoseconds to femtoseconds," **invited talk**, *ASCRS annual meeting*, March 17-22 (2006), San Francisco, USA
- (151) C.P. Hauri, R. Lopez-Martens, K. Varju, T. Ruchon, E. Gustafson, A. L'Huillier, "Generation of intense few-cycle pulses and attosecond pulse trains in filaments," poster presentation, *Attosecond Imaging Workshop*, April 9-11 (2006), London, GB
- (152) C.P. Hauri, A. Trisorio, M. Merano, R. Lopez-Martens, "High-energy down-chirped few-cycle pulse generation in filaments," *Laser Physics conference LPHYS 2006*, Lausanne, Switzerland
- (153) C.P. Hauri, "Generation of intense carrier-envelope stabilized 2-cycle pulses at 2 μm and self-compression of attosecond pulse trains in filaments," **invited talk**, *Conference on filamentation*, September 27-30, Quebec, Canada (2006)
- (154) R. Lopez-Martens, C.P. Hauri, A. Trisorio, M. Merano, "High-energy few-cycle pulse compression through self-channeling in gases," talk Mo12, *Conference on Interaction of Atoms, Molecules and Plasmas with Intense Ultrashort Laser Pulses (IAMPI)*, Szeged 1-5 Oct 2006, Hungary (2006)
- (155) C.P. Hauri, "Intense carrier-envelope phase stable few-cycle pulses at 2 μm from a filament for

high-order harmonic generation,” talk Th9, *Conference on Interaction of Atoms, Molecules and Plasmas with Intense Ultrashort Laser Pulses (IAMPI)*, Szeged 1-5 Oct 2006, Hungary (2006)

- (156) C.P. Hauri, K. Varju, T. Ruchon, E. Gustafsson, A. L’Huillier, R. Lopez-Martens, “Attosecond pulse trains from long laser-gas interaction targets,” poster presentation P25, *Conference on Interaction of Atoms, Molecules and Plasmas with Intense Ultrashort Laser Pulses (IAMPI)*, Szeged 1-5 Oct 2006, Hungary (2006)

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- (157) M.P. Anscombe, C.P. Hauri, A. Heinrich, W. Kornelis, P. Schlup, A. Couairon, A. Mysyrowicz, J. Biegert, U. Keller, “Intense CEO-stabilized few-cycle laser pulses from supercontinuum generation in filaments,” *EU XTRA Network Meeting*, Santorini, Greece (2005)
- (158) C.P. Hauri, A. Heinrich, W. Kornelis, M.P. Anscombe, P. Schlup, A. Couairon, A. Mysyrowicz, J. Biegert, U. Keller, “Selective high-order harmonic generation by filamentation in various gases,” talk JTHG6, *Conference on Lasers and Electro-Optics (CLEO 2005)*, Baltimore, USA (2005)
- (159) C.P. Hauri, W. Kornelis, F.W. Helbing, A. Heinrich, M.P. Anscombe, P. Schlup, A. Couairon, A. Mysyrowicz, J. Biegert, U. Keller, “CEO phase-locked 5.7-fs pulses through filamentation,” talk JTuD2, *Conference on Lasers and Electro-Optics (CLEO 2005)*, Baltimore, USA (2005)
- (160) W. Kornelis, A. Heinrich, C.P. Hauri, F.W. Helbing, M.P. Anscombe, P. Schlup, J.W.G. Tisch, J. Biegert, U. Keller, “Generation of frequency-sheared XUV radiation by high harmonic generation,” talk JThH1, *Conference on Lasers and Electro-Optics (CLEO 2005)*, Baltimore, USA (2005)
- (161) A. Heinrich, C.P. Hauri, W. Kornelis, M.P. Anscombe, C. Erny, F.W. Helbing, P. Schlup, J. Biegert, U. Keller, “Generation of a nearly isolated high harmonic from a long capillary,” poster JThE9, *Conference on Lasers and Electro-Optics (CLEO 2005)*, Baltimore, USA (2005)
- (162) J. Biegert, A. Heinrich, C.P. Hauri, W. Kornelis, P. Schlup, M. Gaarde, K.J. Schafer, U. Keller, “Control of high order harmonic emission using attosecond pulse trains,” 340th Wilhelm und Else Heraeus-Seminar, High-Field Attosecond Physics, Obergurgl, Austria (2005)
- (163) A. Couairon, J. Biegert, C.P. Hauri, U. Keller, A. Mysyrowicz, “Self-generation of near single-cycle pulses through filamentary propagation,” poster, 340th Wilhelm und Else Heraeus-Seminar, High-Field Attosecond Physics, Obergurgl, Austria (2005)
- (164) B. Schaefer, K. Mann, G. Marowski, C.P. Hauri, J. Biegert, U. Keller, “Characterisation, wavefront reconstruction and propagation of ultra-broadband laser pulses from Hartmann-Shack measurements,” *Optics and Photonics*, SPIE Meeting, San Diego, USA (2005)
- (165) B. Schaefer, K. Mann, G. Marowski, C.P. Hauri, J. Biegert, U. Keller, “Characterisation, wavefront reconstruction and propagation of ultra-broadband laser pulses from Hartmann-Shack measurements,” talk A19, *106. Jahrestagung der Deutschen Gesellschaft fuer angewandte Optik (DGAO)*, Wroclaw, Poland (2005)
- (166) J. Biegert, P. Schlup, C.P. Hauri, W. Kornelis, A. Heinrich, M. Anscombe, U. Keller, A. Couairon, A. Mysyrowicz, “Intense phase-stable few-cycle laser pulses from self-compression through filamentation,” talk K2.2, *Spring Meeting of the German Physical Society (DPG-Fruhhjahrstagung)*, Muenchen, Germany (2005)
- (167) J. Biegert, A. Heinrich, C.P. Hauri, W. Kornelis, P. Schlup, M. Anscombe, U. Keller, M. Gaarde, K.J. Schafer, “Quantum path control using attosecond pulse trains,” talk, *Spring Meeting of the German Physical Society (DPG-Fruhhjahrstagung)*, Muenchen, Germany (2005)
- (168) C.P. Hauri, A. Heinrich, W. Kornelis, M.P. Anscombe, P. Schlup, U. Keller, A. Couairon, A. Mysyrowicz, “Production of selective high-order harmonics by filamentation in various gases”, poster, *CLEO Europe, Munich, Germany (2005)*
- (169) C.P. Hauri, W. Kornelis, J. Biegert, U. Keller, A. Couairon, A. Mysyrowicz, “Intense CEO-phase-stabilized few-cycle pulses generated by filamentation,” talk JS12-3-THU, *CLEO Europe*, Munich, Germany (2005)
- (170) A. Heinrich, C.P. Hauri, W. Kornelis, P. Schlup, M. Anscombe, J. Biegert, U. Keller, “Control of high order harmonic generation using attosecond pulse trains,” talk CG2-4-MON, *CLEO Europe*, Munich, Germany (2005)
- (171) W. Kornelis, C.P. Hauri, A. Heinrich, M.P. Ascombe, P. Schlup, J. Biegert, U. Keller, “Frequency-sheared, time-delayed XUV pulses by high harmonic generation,” talk CG2-3-MON, *CLEO Europe*,

Munich, Germany (2005)

- (172) M.P. Anscombe, W. Kornelis, C. Erny, C.P. Hauri, J. Jones, J. Biegert, U. Keller, "In-loop and out-of-loop CEO fringe stability measurement from ultra-broadband pulses produced by filamentation," poster, *CLEO Europe*, Munich, Germany (2005)
- (173) U. Keller, A. Heinrich, C.P. Hauri, W. Kornelis, P. Schlup, M.P. Anscombe, J. Biegert, K.J. Schafer, M.B. Gaarde, "Control of high-order harmonic generation using attosecond pulse trains," **invited talk**, LPHYS'05, Kyoto, Japan (2005)
- (174) C.P. Hauri, M. Merano, J.P. Rousseau, F. Burgy, G. Cheriaux, A. Couairon, R. Lopez-Martens, G. Mourou, "Technique for sub-6-fs, 1.1 mJ pulse generation based on loosely-focused beam propagation," **invited talk**, F2-1, Ultrafast Optics/ Applications of High Field and Short Wavelength Sources, Sept. 25-30, Nara, Japan (2005)
- (175) A. Renault, F. Augé, C.P. Hauri, G. Gériaux, G. Mourou, "OPCPA systems for the amplification of ultrashort pulses up to the mJ level," talk F3-5, Ultrafast Optics/Applications of High Field and Short Wavelength Sources, Sept. 25-30, Nara, Japan (2005)
- (176) C.P. Hauri, J.P. Rousseau, F. Burgy, G. Cheriaux, R. Lopez-Martens, G. Mourou, "High-energy, sub-6-fs pulse generation technique," poster, ICOMP 2005, Canada (2005)
- (177) P. Trtik, C.P. Hauri, "Investigation of the ablation sites produced by femtosecond laser pulses in hardened Portland cement," poster, 4th Summer School on Condensed Matter Research, Aug. 14-21, Zuoz, Switzerland (2005)

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- (178) J. Biegert, P. Schlup, C.P. Hauri, W. Kornelis, F.W. Helbing, U. Keller, G. Arisholm, "CEO phase-preserving chirped-pulse optical parametric amplification of 17.3-fs pulses," **invited talk**, MoC1, *Workshop on Optical parametric Processes and Periodical Structures*, Vilnius, Lithuania (2004).
- (179) J. Biegert, C.P. Hauri, A. Heinrich, F.W. Helbing, W. Kornelis, P. Schlup, U. Keller, "High field physics at ETH", *EU XTRA Network Meeting*, Ringberg, Germany (2004)
- (180) G. Arisholm, J. Biegert, P. Schlup, C.P. Hauri, U. Keller, "Ultra-broadband chirped-pulse optical parametric amplifier with angularly dispersed beams," talk, *Norwegian Optics Meeting*, Norway (2004)
- (181) C.P. Hauri, P. Schlup, G. Arisholm, J. Biegert, U. Keller, "Ultrabroadband chirped pulse optical parametric amplification of 12 fs pulses from a Ti:sapphire oscillator," talk CMU6, *Conference on Lasers and Electro-Optics (CLEO 2004)*, San Francisco, USA (2004)
- (182) C.P. Hauri, M. Bruck, J. Biegert, U. Keller, B. Schaefer, K. Mann, G. Marowsky, "Wavefront measurements of ultrabroadband laser pulses – wavelength dependence and implications," poster ITUI38, *Conference on Lasers and Electro-Optics (CLEO 2004)*, San Francisco, USA (2004)
- (183) A. Heinrich, M. Bruck, C.P. Hauri, W. Kornelis, J.W.G. Tisch, J. Biegert, U. Keller, "Gas target for efficient high-harmonic generation," poster ITU42, *Conference on Lasers and Electro-Optics (CLEO 2004)*, San Francisco, USA (2004)
- (184) C.P. Hauri, M. Bruck, W. Kornelis, J. Biegert, U. Keller, "Ultrabroadband dispersive amplification of laser and hollow fiber pulses," talk JTUG7, *Conference on Lasers and Electro-Optics (CLEO 2004)*, San Francisco, USA (2004)
- (185) P. Schlup, C.P. Hauri, G. Arisholm, J. Biegert, U. Keller, **postdeadline talk**, CPDC3, "Chirped pulse optical parametric amplification of 17.3-fs, CEO-stabilized pulses," , *Conference on Lasers and Electro-Optics (CLEO 2004)*, San Francisco, USA (2004)
- (186) J. Biegert, C.P. Hauri, P. Schlup, U. Keller, "Phase-locked chirped pulse optical parametric amplification of 12 fs pulses from a Ti:sapphire oscillator," talk Q42.8, *Spring Meeting of the German Physical Society (DPG-Fruehjahrstagung)*, Muenchen, Germany (2004)
- (187) J. Biegert, M. Bruck, W. Kornelis, F.W. Helbing, C.P. Hauri, U. Keller, "Single-shot dynamics of pulses from a gas-filled hollow fiber," talk Q5.3, *Spring Meeting of the German Physical Society (DPG-Fruehjahrstagung)*, Muenchen, Germany (2004)
- (188) J. Biegert, C.P. Hauri, P. Schlup, G. Arisholm, U. Keller, "Phase-locked chirped-pulse optical parametric amplification of 12-fs-pulses from a Ti:sapphire oscillator," **invited talk**, *Laser Physics Workshop 2004*, Trieste, Italy (2004)

- (189) J. Biegert, C.P. Hauri, P. Schlup, G. Arisholm, U. Keller, "Phase-locked 17.3-fs pulses through chirped pulse optical parametric amplification," *OSA Annual Meeting*, Rochester, USA (2004)
- (190) C.P. Hauri, W. Kornelis, A. Couairon, A. Mysyrowicz, J. Biegert, U. Keller, "Generation of intense few-cycle laser pulses through cascaded self-filamentation," Talk LM17, *OSA Annual Meeting*, Rochester, USA (2004)
- (191) J. Biegert, C.P. Hauri, P. Schlup, U. Keller, "Chirped pulse optical parametric amplification of phase-locked 12 fs pulses from a Ti:sapphire oscillator," talk, *Meeting of the Swiss Physical Society (SPS)*, Neuchatel, Switzerland (2004)
- (192) M. Bruck, W. Kornelis, C.P. Hauri, A. Heinrich, F.W. Helbing, J. Biegert, U. Keller, "Single-shot dynamics of hollow-fiber-compressed pulses," poster, *Meeting of the Swiss Physical Society (SPS)*, Neuchatel, Switzerland (2004)
- (193) W. Kornelis, M. Bruck, C.P. Hauri, A. Heinrich, F.W. Helbing, J. Biegert, U. Keller, R. Lopez-Martens, J. Mauritsson, P. Johnsson, K. Varju, A. L'Huillier, M. Gaarde, K. Schafer, "Time-frequency characterization of high-order harmonic emission," talk, *Meeting of the Swiss Physical Society (SPS)*, Neuchatel, Switzerland (2004)
- (194) J. Biegert, M. Bruck, C.P. Hauri, A. Heinrich, F.W. Helbing, W. Kornelis, P. Schlup, U. Keller, R. Lopez-Martens, J. Mauritsson, P. Johnsson, K. Varju, A. L'Huillier, M. Gaarde, K.J. Schafer, "Control of the frequency chirp rate of high harmonic pulses," poster ME62, *Ultrafast Phenomena XIV*, Niigata, Japan (2004)
- (195) J. Biegert, P. Schlup, C.P. Hauri, W. Kornelis, F.W. Helbing, U. Keller, G. Arisholm, "CEO phase preservation in chirped-pulse optical parametric amplification of 17.3-fs pulses", Talk MA5, *Ultrafast Phenomena XIV*, Niigata, Japan (2004)

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- (196) J. Biegert, C.P. Hauri, W. Kornelis, A. Heinrich, F.W. Helbing, A. Couairon, A. Mysyrowicz, U. Keller, "Intense CEO-stabilized few-cycle laser pulses from supercontinuum generation in filaments," **postdeadline talk PD1**, *Ultrafast Phenomena XIV*, Niigata, Japan (2004)
- (197) C.P. Hauri, M. Bruck, W. Kornelis, J. Biegert, U. Keller, "Generation of 14.8 fs pulses in a spatially dispersive amplifier," *Ultrafast Optics (UFO'03)*, Vienna, Austria (2003)
- (198) T. Rupp, B. Schenkel, C.P. Hauri, G. Steinmeyer, U. Keller, "Novel adaptive scheme for acousto-optic gain equalization and ultrabroadband amplification," talk CMP2, *Conference on Lasers and Electro-Optics (CLEO 2001)*, Baltimore, USA (2001)
- (199) C.P. Hauri, B. Schenkel, T. Rupp, G. Steinmeyer, U. Keller, "Novel adaptive scheme for acousto-optic gain equalization and ultrabroadband amplification," *Ultrafast Optics (UFO'01)*, Chateau Montebello, Canada (2001).