

Publication list of F.Quéré, August 2020

h-index=32

≈ 3900 citations (ISI web, excluding self-citations)

Publications in reviewed international journals (*excluding proceedings*)

[56] Multipass cells: 1D numerical model and investigation of spatio-spectral couplings at high nonlinearity

N. Daher, F. Guichard, S.W. Jolly, X. Délen, F. Quéré, M. Hanna, P. Georges
[*JOSA B*, **37**\(4\), 993-999 \(2020\)](#)

[55] Controlling the velocity of a femtosecond laser pulse using refractive lenses

Spencer W. Jolly, Olivier Gobert, Antoine Jeandet, and Fabien Quéré
[*Optics Express* **28**, pp. 4888-4897 \(2020\)](#)

[54] Spatio-temporal structure of a petawatt femtosecond laser beam

A. Jeandet, A. Borot, K. Nakamura, S.W. Jolly, A.J. Gonsalves, C. Tóth, H-S. Mao, W.P. Leemans and F. Quéré.
[*Journal of Physics: Photonics* **1**, 035001 \(2019\)](#)

[53] Identification of Coupling Mechanisms between Ultraintense Laser Light and Dense Plasmas

L. Chopineau, A. Leblanc, G. Blaclard, A. Denoeud, M. Thévenet, J-L. Vay, G. Bonnaud, Ph. Martin, H. Vincenti and F. Quéré
[*Phys. Rev. X* **9**, 011050 \(2019\)](#)

[52] Spatio-spectral metrology at focus of ultrashort lasers: A phase-retrieval approach

A. Borot, F. Quéré
[*Optics Express* **26**, 26444-26461\(2018\)](#)

[51] Optical Control of the Topology of Laser-Plasma

J. Vieira, J.T. Mendonça, F. Quéré
[*Physical Review Letters* **121**, 054801 \(2018\)](#)

[50] Surface plasma attosource beamlines at ELI-ALPS

S. Mondal, M. Shirozhan, N. Ahmed, M. Bocoum, F. Boehle, A. Vernier, S. Haessler, R. Lopez-Martens, F. Sylla, C. Sire, F. Quéré, K. Nelissen, K. Varjú, D. Charalambidis, and S. Kahaly
[*J. Opt. Soc. Am. B* **35**, A93-A102 \(2018\)](#)

[49] Controlling the velocity of ultrashort light pulses in vacuum through spatio-

temporal couplings

A. Sainte-Marie, O. Gobert, and F. Quéré

[*Optica* **4**, 1298-1304 \(2017\)](#)

[48] Spatial Properties of High-Order Harmonic Beams from Plasma Mirrors: A Ptychographic Study

A. Leblanc, S. Monchocé, H. Vincenti, S. Kahaly, J.-L. Vay, and F. Quéré

[*Physical Review Letters* **119**, 155001 \(2017\)](#)

[47] Interaction of Ultraintense Laser Vortices with Plasma Mirrors

A. Denoeud, L. Chopineau, A. Leblanc, and F. Quéré

[*Physical Review Letters* **118**, 033902 \(2017\)](#)

[46] Plasma holograms for ultrahigh-intensity optics

A. Leblanc, A. Denoeud, L. Chopineau, G. Mennerat, Ph. Martin and F. Quéré

[*Nature Physics* **13**, 440–443 \(2017\)](#)

[45] Dynamic wavefront rotation in the attosecond lighthouse

E. Balogh, C. Zhang, T. Ruchon, J-F. Hergott, F. Quéré, P. Corkum, C. H. Nam, and K. T. Kim

[*Optica* **4**, 48-53 \(2017\)](#)

[44] Ion acceleration in the transparent regime and the critical influence of the plasma density scale length

R. A. Loch, T. Ceccotti, F. Quéré, H. George, G. Bonnaud, F. Réau, P. D'Oliveira, M. J. H. Luttikhof, F. Bijkerk, K.-J. Boller, G. Blaclard, and P. Combis

[*Physics of Plasmas* **23**, 093117 \(2016\)](#)

[43] Space–time characterization of ultra-intense femtosecond laser beams

G. Pariente, V. Gallet, A. Borot, O. Gobert and F. Quéré

[*Nature Photonics* **10**, 547–553 \(2016\)](#)

[42] Attosecond lighthouses in gases: A theoretical and numerical study

T. Auguste, O. Gobert, T. Ruchon, and F. Quéré

[*Phys. Rev. A* **93**, 033825 \(2016\)](#)

[41] Ptychographic measurements of ultra-high intensity laser plasma interactions

A. Leblanc, S. Monchocé, C. Bourassin-Bouchet, S. Kahaly and F. Quéré

[*Nature Physics* **12**, 301–305 \(2016\)](#)

[40] Vacuum laser acceleration of relativistic electrons using plasma mirror injectors

M. Thevenet, A. Leblanc, S. Kahaly, H. Vincenti, A. Vernier, F. Quéré and J. Faure

[*Nature Physics* **12**, 355–360 \(2016\)](#)

[39] Spatio-temporal light springs: extended encoding of orbital angular momentum in

ultrashort pulses.

G. Pariente and F. Quéré

[*Optics letters* **40**, 2037-40 \(2015\)](#)

[38] Dual spectral-band interferometry for spatio-temporal characterization of high-power femtosecond lasers

V. Gallet, S. Kahaly, O. Gobert, and F. Quéré

[*Optics Letters* **39**, 4687-4690 \(2014\)](#)

[37] Optically-Controlled Solid-Density Transient Plasma Gratings

S Monchocé, S Kahaly, A Leblanc, L Videau, P Combis, F Réau, D Garzella, P D'Oliveira, Ph Martin, F Quéré

[*Physical Review Letters* **112**, 145008 \(2014\)](#)

[36] Optical properties of relativistic plasma mirrors

H. Vincenti, S. Monchocé, S. Kahaly, Ph. Martin and F. Quéré

[*Nature Communications* **5**, 3403 \(2014\)](#)

[35] Investigation of amplitude spatio-temporal couplings at the focus of a 100 TW-25 fs laser

S Kahaly, S Monchocé, V Gallet, O Gobert, F Réau, O Tcherbakoff, P D'Oliveira, Ph Martin, F Quéré

[*Applied Physics Letters* **104** \(5\), 054103 \(2014\)](#)

[34] Applications of ultrafast wavefront rotation in highly nonlinear optics

F Quéré, H Vincenti, A Borot, S Monchocé, T J Hammond, Kyung Taec Kim, J A Wheeler, Chunmei Zhang, T Ruchon, T Auguste, J F Hergott, D M Villeneuve, P B Corkum and R Lopez-Martens

[*Journal of Physics B* **47**, 124004 \(2014\)](#)

[33] Plasma devices for focusing extreme light pulses

J Fuchs, AA Gonoskov, M Nakatsutsumi, W Nazarov, F Quéré, AM Sergeev, XQ Yan

[*The European Physical Journal Special Topics* **223** \(6\), 1169-1173 \(2014\)](#)

[32] Ultrafast formation of hydrated electrons in water at high concentration: Experimental evidence of the free electron

P Palianov, P Martin, F Quéré, S Pommeret

[*Journal of Experimental and Theoretical Physics* **118** \(3\), 489-493 \(2014\)](#)

[31] Spectral characterization of laser-driven solid-based high harmonics in the coherent wake emission regime

J van Tilborg, BH Shaw, T Sokollik, S Rykovanov, S Monchocé, F Quéré, Ph Martin, A Malvache, WP Leemans

[*Optics letters* **38**, 4026-4029 \(2013\)](#)

[30] Photonic streaking of attosecond pulse trains

K-T. Kim, C. Zhang, T. Ruchon, J-F. Hergott, T. Auguste, D. M. Villeneuve, P. B. Corkum, and F. Quéré

[*Nature Photonics* **7**, 651–656 \(2013\)](#)

[29] Direct Observation of Density-Gradient Effects in Harmonic Generation from Plasma Mirrors

S. Kahaly, S. Monchocé, H. Vincenti, T. Dzelzainis, B. Dromey, M. Zepf, Ph. Martin, and F. Quéré

[*Physical Review Letters* **110**, 175001 \(2013\)](#)

[28] Coherent wake emission spectroscopy as a probe of steep plasma density profiles

A. Malvache, A. Borot, F. Quéré and R. Lopez-Martens

[*Physical Review E* **87**, 035101 \(2013\)](#)

[27] Attosecond lighthouses from plasma mirrors

J. Wheeler, A. Borot, S. Monchocé H. Vincenti, A. Ricci, A. Malvache, R. Lopez-Martens, and F. Quéré

[*Nature Photonics* **6**, 828-832 \(2012\)](#)

[26] Attosecond control of collective electron motion in plasmas

A. Borot, A. Malvache, X. Chen, A. Jullien, J-P. Geindre, P. Audebert, G. Mourou, F. Quéré and R. Lopez-Martens

[*Nature Physics* **8** 416-421 \(2012\)](#)

[25] Attosecond Lighthouses: How To Use Spatiotemporally Coupled Light Fields To Generate Isolated Attosecond Pulses

H. Vincenti and F. Quéré

[*Physical Review Letters* **108** 113904 \(2012\)](#)

[24] High-harmonic generation from plasma mirrors at kilohertz repetition rate

A. Borot, A. Malvache, X. Chen, D. Douillet, G. Iaquianiello, Th. Lefrou, P. Audebert, J-P. Geindre, G. Mourou, F. Quéré and R. Lopez-Martens

[*Optics Letters* **36** 1461-1463 \(2011\)](#)

[23] High-order harmonic and attosecond pulse generation on plasma mirrors: basic mechanisms

C. Thaury and F. Quéré

[*J. Phys. B: At. Mol. Opt. Phys.* **43** 213001 \(2010\)](#)

[22] Mechanisms of forward laser harmonic emission from thin overdense plasmas

H. George, F. Quéré, C. Thaury, G. Bonnaud, Ph. Martin,

[*New Journal of Physics* **11**, 113028 \(2009\)](#)

[21] Coherent dynamics of plasma mirrors

C. Thaury, H. George, F. Quéré, R.A. Loch, J-P. Geindre, P. Monot, Ph. Martin,
[*Nature Physics* **4**, 631 \(2008\)](#)

[20] Phase Properties of Laser High-Order Harmonics Generated on Plasma Mirrors

F. Quéré, C. Thaury, J.-P. Geindre, G. Bonnaud, P. Monot, Ph. Martin
[*Phys. Rev. Lett.* **100**, 095004 \(2008\)](#)

[19] Comment on "Transition to the relativistic regime in high order harmonic generation"

F. Quéré, C. Thaury, J.-P. Geindre, Ph. Martin,
[*Phys. Rev. Lett.* **100**, 089401 \(2008\)](#)

[18] Plasma mirrors for ultrahigh-intensity Optics

C. Thaury, F. Quéré, J.-P. Geindre, A. Levy, T. Ceccotti, P. Monot, M. Bougeard, F. Réau, P. d'Oliveira, P. Audebert, R. Marjoribanks, Ph. Martin,
[*Nature Physics* **3**, 424 - 429 \(2007\)](#)

[17] Double plasma-mirror for ultra-high temporal contrast ultra-intense laser pulses

A. Lévy, T. Ceccotti, P. D'Oliveira, F. Réau, M. Perdrix, F. Quéré, P. Monot, M. Bougeard, H. Lagadec, P. Martin, J.-P. Geindre, P. Audebert
[*Optics Letters*, **32**, 3 \(2007\)](#)

[16] Coherent Wake Emission of High-Order Harmonics from Overdense Plasmas

F. Quéré, C. Thaury, P. Monot, S. Dobosz, Ph. Martin, J.-P. Geindre and P. Audebert.
[*Physical Review Letters* **96**, 125004 \(2006\)](#)

[15] New target for high-intensity laser-matter interaction : gravitational flow of micrometer-sized powders

M.Servol, F. Quéré, M. Bougeard, P. Monot, Ph. Martin, A. Ya Faenov, T.A. Pikuz, P. Audebert, M. Francucci, P. Petrocelli
[*Review of Scientific Instruments* **76**, 083105 \(2005\)](#)

[14] Temporal characterization of attosecond xuv fields

F. Quéré, Y. Mairesse, J. Itatani
[*Journal of Modern Optics* **52**, 339 \(2005\)](#)

[13] Frequency-Resolved Optical Gating for Complete Reconstruction of Attosecond Bursts

Y. Mairesse, F. Quéré,
[*Physical review A* **71**, 011401\(R\) \(2005\)](#)

[12] High-Order Harmonics Generation by non-linear reflection of an intense high-

contrast laser pulse on a plasma

P. Monot, G. Doumy, S. Dobosz, M. Perdrix, P. D'Oliveira, F. Quéré, F. Réau, Ph. Martin, P. Audebert, J.C. Gauthier, J.P. Geindre
[*Optics Letters* **29** \(8\) 893-5 \(2004\)](#)

[11] Complete characterization of a plasma mirror for the production of high-contrast ultra-intense laser pulses

G. Doumy, F. Quéré, O. Gobert, M. Perdrix, Ph. Martin, P. Audebert, J.C. Gauthier, J.-P. Geindre, T. Wittmann
[*Physical Review E* **69**\(2\), 26402 \(2004\)](#)

[10] X-ray Spectroscopic Observations of a Superdense Plasma in Nanoparticles Irradiated by Superintense Femtosecond Laser Radiation

A. Ya. Faenov, T. A. Pikuz, I. Yu. Skobelev, A. I. Magunov, V. P. Efremov, M. Servol, F. Quéré, M. Bougeard, P. Monot, Ph. Martin, M. Francucci, G. Petrocelli, and P. Audebert
[*JETP Letters* **80**, 730 \(2004\)](#)

[9] Dynamics of Femtosecond Laser Interactions with Dielectrics

S. S. Mao, F. Quéré, S. Guizard, X. Mao, R. E. Russo, G. Petite, P. Martin.
[*Applied Physics A* **79**, 1695-1709 \(2004\)](#)

[8] Time-resolved double ionization with few cycle laser pulses

F. Légaré, I. V. Litvinyuk, P. W. Dooley, F. Quéré, A. D. Bandrauk, D. M. Villeneuve, and P. B. Corkum
[*Physical Review Letters* **91**, 093002 \(2003\)](#)

[7] Attosecond spectral shearing interferometry

Quéré-F, Itatani-J, Yudin-G.L, Corkum-P.B
[*Physical Review Letters* **90**, 073 902 \(2003\)](#)

[6]Attosecond streak camera

Itatani-J, Quéré-F, Yudin-G.L, Ivanov-M. Yu., Krausz-F., Corkum-P.B
[*Physical Review Letters* **88**, 173 903, \(2002\)](#)

[5] Time-resolved study of laser-induced breakdown in dielectrics

Quéré-F, Guizard-S, Martin-Ph
[*Europhysics Letters*, **56** \(1\) , pp. 138-144 \(2002\)](#)

[4] Femtosecond laser ablation of transparent dielectrics: measurement and modelisation of crater profiles

S.Guizard, A. Semerok, J. Gaudin, M. Hashida, Ph. Martin, F. Quéré
[*Applied Surface Science* **186**, p.304 \(2001\)](#)

[3] Hot-electron relaxation in quartz using high-order harmonics

Quéré-F; Guizard-S; Martin-Ph; Petite-G; Merdji-H; Carré-B; Hergott-J-F, Le Déroff-L.
[*Physical Review B* **61**, 9883-6 \(2000\)](#)

[2] Comment on "Ultrafast electron dynamics in femtosecond optical breakdown of dielectrics"

Petite-G; Guizard-S; Martin-Ph; Quéré-F;
[*Physical Review Letters* **85**, p.5182. \(1999\)](#)

[1] Detection by NMR of a "local spin gap" in quenched CsC₆₀

Brouet-V; Alloul-H; Quéré-F; Baumgartner-G; Forro-L
[*Physical Review Letters*. **82**, no.10; 8; p.2131-4 \(1999\)](#)

Patents

- « **Procédé et système de contrôle de la vitesse d'une impulsion laser** »

F.Quéré,

Patent application # FR 1755297, filed on the 13/06/2017

- « **Procédé de caractérisation spatio-spectrale d'une source laser impulsionnelle polychromatique** »

F.Quéré, A. Borot

Patent application # FR 1753672, filed on the 27/04/2017

- « **Dispositif et procédé de caractérisation d'un faisceau de lumière** »

F.Quéré, V. Gallet, G. Pariente

Patent application # FR1455472, filed on the 16/06/2014

- « **Procédé de structuration spatiale contrôlée optiquement d'un plasma sur cible solide** »

F.Quéré, S. Kahaly, S. Monchocé

Patent application # FR1362611, filed on the 13/12/2013

- « **Dispositif et procédé de caractérisation d'un faisceau de lumière** »

F. Quéré,

Delivered in France on 19/07/2013 and published under number 2 976663

- « **Procédé et dispositif de génération de génération d'impulsions attosecondes isolées** »

F. Quéré

Delivered in France on 05/07/2013 and published under number 2 976132

- « **Procédé et dispositif de génération de rayonnement ou de particules par interaction entre un faisceau laser et une cible** »

F. Quéré, M. Servol, M.Bougéard

Delivered in France on 01/12/2006 and published under number 2 874785

Invited talks in national and international conferences

- **ELI summer school 2020** , 26-28 August 2020, online event

Title : *Physics and applications of plasma mirrors*

- **SPIE Optics + Optoelectronics 2019**, 1-4 April 2019, Prague, Czech Republic

Title : *Optically-structured plasma mirrors for ultrahigh intensity physics*

- **Colloquium of the Departement of Physics of the Freiburg University**, 16 June 2019

Title : *From optical breakdown to relativistic plasma mirrors: the story of a piece of glass in an intense laser field*

- **« 7th International Conference on Attosecond Science and Technology (ATTO2019) », 1-5 July 2019, Szeged, Hungary**
Title: *Spatio-temporal characterization of attosecond pulses from plasma mirrors by ultrafast photonic streaking*
- **« Summer school on Ultrafast Dynamics in Atoms, Molecules, Nanostructures and Solids- QTIF network », 7-10 Oct. 2019, Freiburg, Germany**
Title: *Ultrafast dynamics of plasma mirrors in intense laser fields*
- **« Forum Interaction laser-plasma 2019 », 13-18 Oct. 2019, Fréjus, France**
Title: *Comment tout connaître (ou presque) du champ électromagnétique d'un laser ultrabref ?*
- **« 35th European Conference on Laser Interaction with Matter (ECLIM) », 22-26 Oct. 2018, Rethymno, Greece**
Title: *Identification of coupling mechanisms between ultraintense laser light and dense plasmas*
- **« Conference on Lasers and Electro Optics (CLEO) », May 2018, San Jose, USA**
Title : *Spatio-temporal characterization of high-power femtosecond lasers*
- **« 16th International conference on X-ray lasers », 7-12 Oct. 2018, Prague, Czech Republic**
Title: *Identification of coupling mechanisms between ultraintense laser light and dense plasmas*
- **« High-Intensity Lasers and High-field phenomena », 26-28 March 2018, Strasbourg, France**
Title: *Space-time metrology of high-power femtosecond lasers*
- **« Chirped Pulse Amplification school », 28 May-1^{er} June 2018, Palaiseau, France**
Title: *Methods for the spatio-temporal characterization of high-power femtosecond lasers*
- **« PALM International School 2018 -Attosecond Science: from ultrafast sources to applications », 28 May-1^{er} June 2018, Gif-sur-Yvette, France**
Title: *Ultrafast dynamics of plasma mirrors in intense laser fields*
- **« Conference on High Intensity Laser and attosecond science in Israël (CHILI) », 11-13 Dec. 2017, Tel-Aviv, Israël**
Title: *Space-time metrology and control of high-power femtosecond lasers*
- **« 2017 IEEE Photonics Conference (IPC) », 01-05 Oct. 2017, Orlando, USA**
Title: *Space-time metrology and control of high-power femtosecond lasers*
- **« 8ième Forum Lasers et Plasmas », 12-17 March 2017, Aussois, France**

Title: *Miroirs plasmas en champ laser ultra-intense : état de l'art et perspectives*

- « **43rd EPS Conference on Plasma Physics** », 4-8 July. 2016, Leuven, Belgium

Title: *Plasma mirrors for ultrahigh intensity optics of femtosecond lasers*

- “**7th International Conference on Ultrahigh Intensity Lasers (ICUIL)**”, 11-16 Sept. 2016, Cassis, France

Title: *Complete spatio-temporal characterization of high-power femtosecond laser beams*

- « **15th International Symposium on Ultrafast Intense Laser Science (ISUILS)**”, 2-7 Oct. 2016, Montebello, Canada

Title: *Ptychographic measurements of high-order harmonics beams generated from plasma mirrors*

- “**International Conference on Extreme Light**”, 23-27 Nov. 2015, Bucharest, Romania

Title: *Ultrahigh intensity laser-plasma interactions using structured light fields*

- “**ELI-NP International summer school**”, 21-25 Sept. 2015, Bucharest, Romania

Title of the lecture: *Physics and applications of plasma mirrors*

- “**CLEO Pacific Rim**”, 24-28 Aug. 2015, Busan, Korea

Title: *Vacuum laser acceleration of relativistic electrons using plasma mirror injectors*

- “**Ultrafast Optics 2015**”, 16-21 Aug. 2015, Beijing, China

Title: *Ultrahigh intensity laser-plasma interactions using structured light fields*

- National conference “**Optique Bretagne 2015**”, 6-9 July 2015, Rennes, France

Title: *‘Lasers attosecondes’ : principes, metrologie et applications*

- International school on “**Novel light sources from laser-plasma interactions**”, 20-24 April. 2015, Dresde, Germany

Title of the lecture: *Plasma mirrors as attosecond light sources*

- “**Frontiers in Optics/Laser Science (FiO)**”, Oct. 2014, Tucson, USA

Title : *Plasma mirrors as attosecond light sources*

- “**17th Gordon Research Conference on Multiphoton Processes**”, June 2014, Boston, USA

Title : *Advanced measurement schemes for high-field physics: ptychography from transient plasma gratings*

- “**45th Annual DAMOP Meeting**”, June 2014, Madison, USA

Title : *Ultrafast Rotation of Light Fields Applied to Highly Non-Linear Optics*

- “**11th European Conference on Atoms, Molecules and Photons (ECAMP11)**”, June 2013, Aahrus, Danemark

Title : *Plasma Mirrors: the physics of specular reflection at ultrahigh laser intensities*

- **“9th conference on Ultrafast Optics (UFO IX)”**, Feb. 2013, Davos, Switzerland
Title : *Measuring and exploiting spatio-temporal couplings of ultrashort laser beams*
- **“International workshop on laser-matter interaction (WLMI)”**, June 25-29 2012, Porquerolles, France
Title : *Attosecond lighthouses*
- **“13th International Conference on X-Ray Lasers (ICXRL 2012)”**, June 11-15 2012, Paris, France
Title : *Attosecond lighthouses*
- **“High-Intensity Lasers and High-Field Phenomena (HILAS)”**, March 19-21 2012, Berlin, Germany
Title : *Attosecond lighthouses: a new tool for ultrafast science and metrology*
- **“Symposium of Attoscience and Ultrafast Quantum Control ”**, September 7-9 2011, London, GB
Title : *Attosecond lighthouses*
- **“Journée des phénomènes ultrarapides ”**, October 17-19 2011, Rouen, France
Title : *Génération d’impulsions attosecondes sur miroir plasma : état de l’art de nouveauté*
- **“Frontiers in Optics 2010/Laser Science XXVI ”**, October 24-28 2010, Rochester, USA
Title : *HHG on Plasma Mirrors:towards attosecond sources of second generation*
- **“Colloque sur les Lasers et l’Optique Quantique”**, September 7-9 2009, Mouans-Sartoux, France
Title : *Impulsions attosecondes de lumière : de la génération à la mesure*
- **“ UltraFast Optics (UFO VII) and High Field Short Wavelength (HFSW XIII)”**, September 1-4 2009, Arcachon, France
Title : *Attosecond pulse generation from plasma mirrors: basic mechanisms and temporal metrology (Keynote talk)*
- **“Forum de l’Institut Laser-Plasma”**, June 14-19 2009, Giens, France
Title : *Harmoniques sur miroirs plasmas : état de l’art et perspectives*
- **“Extreme light Infrastructure International Workshop”**, April 2009, Palaiseau, France
Title : *Attosecond sources of second generation, and beyond*
- **“SPIE Europe Optics + Optoelectronics”**, April 20 - 23 2009, Prague, Czech Republic
Title : *Attosecond and femotsecond metrology for plasma mirrors*
- **“Conference on Lasers and Electro Optics and International Quantum Electronics Conference”**, May 4-9 2008, San Jose, USA.

Title: *High Order Harmonic Generation in High Intensity Laser-Solid Interactions*

- « **European Physical Society Plasma Physics Conference** », June 9-13 2008, Hersonnissos, Greece

Title : *Basic mechanisms of high-order harmonic generation on plasma mirrors*

- « **Ultra-intense Laser Interaction Sciences (ULIS2007)** », October 1-5 2007, Bordeaux, France

Title : *High-order harmonic generation from plasma mirrors*

- “**Attosecond Physics**”, **391. WE-Heraeus-Seminar**, August 1-5 2007, Dresde, Germany

Title : *High-order harmonic generation from plasma mirrors*

- **Workshop “New and emerging sources of intense beams of particles and short-wavelength radiation”**, June 11-13 2007, Lund, Sweden

Title : *High-order harmonics*

- « **15th International Laser Physics Workshop (LPHYS - 2006)** », July 24-28 2006, Lausanne , Switzerland

Title : *High-order harmonics generation from overdense plasmas*

- **Congrès annuel de la société française de Physique, section Plasmas**, May 2-5 2006, Pont-à-Mousson, France

Title: *Interaction laser-plasma à haute intensité : miroir plasma et génération d’harmoniques*

- « **7^{èmes} journées des phénomènes ultra-rapides** », December 5-7 2005, Villeneuve d’Ascq, France

Title: *Les méthodes de caractérisation temporelle d’impulsions attosecondes*

- « **10th International Conference on Multiphoton Processes (ICOMP 2005)** » October 9-14 2005, Orford, Canada

Title: *Frequency-Resolved Optical Gating for Complete Reconstruction of Attosecond Bursts*

- «**Forum de l’Institut Laser-Plasma-ILP** », March 13-18 2005, Autrans, France

Title: *Interaction laser-plasma à la densité du solide : miroir plasma et génération d’harmoniques*

- “**High-field attosecond physics**”, , January 9-15 2005, Obergurgl, Austria

Title: *Frequency-Resolved Optical Gating for Complete Reconstruction of Attosecond Bursts*

- « **4th International Ultrafast Optics Conference** », July 2003, Vienna, Austria

Title: *Temporal characterization of attosecond pulses*

- **UVX 2000**, May 16-19 2000, Porquerolles, France

Title: *Utilisation d'impulsions UV femtosecondes pour l'étude de la relaxation électronique dans SiO₂*

- « **Laser-Induced Damage Conference** » , September 1998, Boulder, USA

Title: *Subpicosecond studies of carrier dynamics in laser induced breakdown*