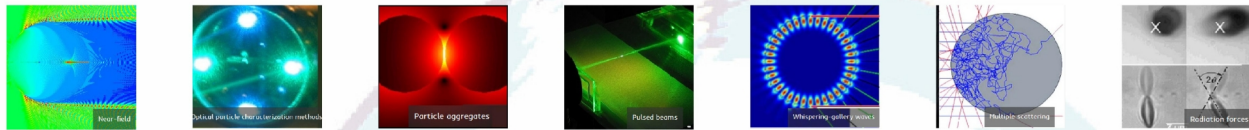
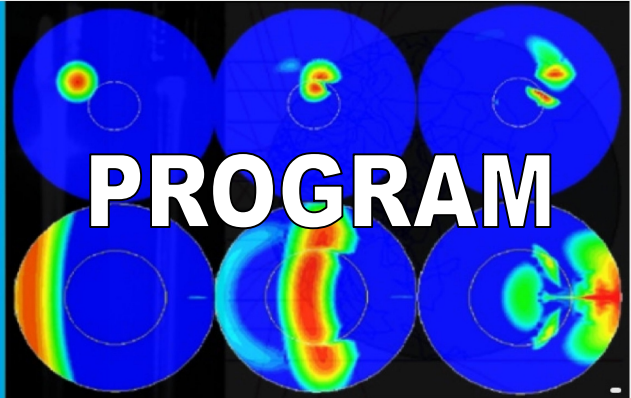




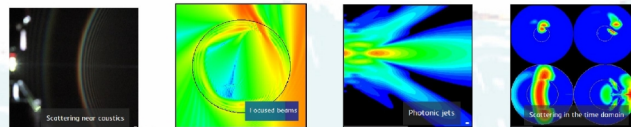
10th International Conference Series on
Laser-light and Interactions with Particles
 August 25-29th, 2014, Marseille, France.



LIP 2014
 25-29th August 2014
 Marseille, France



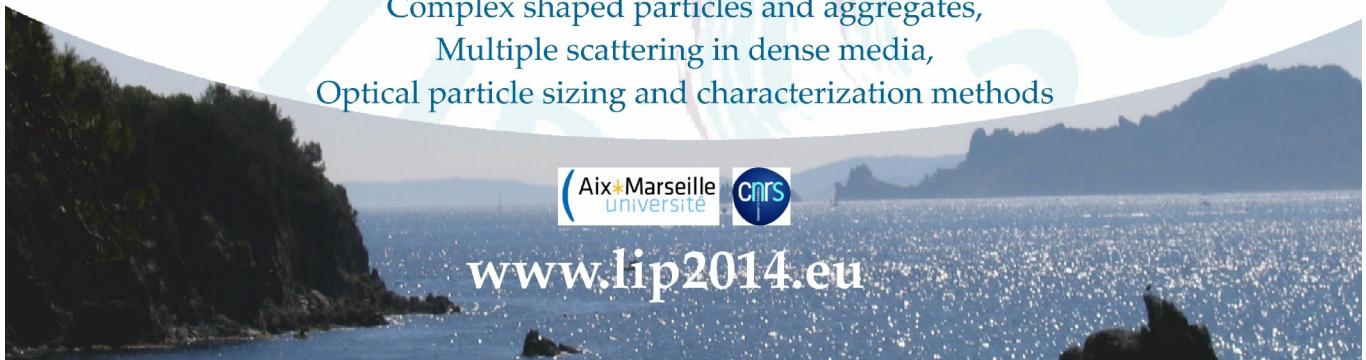
Laser-light and Interactions with Particles



Beam shape description,
 Far-field scattering,
 Time-resolved scattering,
 Mechanical effects of light,
 Near fields and morphology-dependent-resonances,
 Complex shaped particles and aggregates,
 Multiple scattering in dense media,
 Optical particle sizing and characterization methods



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PRELIMINARY PROGRAM, June, 23rd

Sunday 24th, 18h00-20h00 : Welcome drink

MONDAY, 25th

8h30-10h00 Registration

10h00-10h30 Opening ceremony

10h30-11h10 Keynote Lecture

(AK-1) Surprises and anomalies in acoustical and optical scattering, Philip L. MARSTON

11h10-12h30 Session: Beam shape description (BS)

Chairs: Philip L. MARSTON, Farid G. MITRI

(BS-1) On the Description of Electromagnetic Arbitrary Shaped Beams : Beam Shape Coefficients versus Plane Wave Spectra, and vice versa, Gérard GOUESBET* and James A. LOCK

(BS-2) Scattering of the Evanescent Components in the Angular Spectrum of a Tightly Focused Electromagnetic Beam by a Spherical Particle, James A. LOCK*

(BS-3) Acoustics of Finite-Aperture Vortex Beams, Farid G. MITRI*

(BS-4) Superpositions of equal-frequency ordinary Bessel beams: frozen waves for optical trapping and micromanipulation, Leonardo A. AMBROSIO*

12h30-14h00 Lunch

14h00-15h40 Near-field and Resonances (NR)

Chairs: James A. LOCK, Zhen-Sen WU

(NR-1) Laser Emission from Random Gain Media with Bubble Structures, Takashi OKAMOTO*, Shouhei MATSUSHITA and Masanori TAKABAYASHI

(NR-2) Influence of sinter necks on the spectral behaviour of ITO aggregates, Thomas WRIEDT*, Jens HELLMERS, Krzysztof SKORUPSKI and Janusz MROCZKA

(NR-3) Photonic Jet Generated by Spheroidal Particle, Yiping HAN*, Lu HAN and Wenjuan ZHAO

(NR-4) Near and Far Field Light scattering from silicon nitride microdisks, David McCLOSKEY* and John F. DONEGAN

(NR-5) Laser-Bubble Interactions under the Acoustic Field, Honoh SUZUKI* and I-Yin Sandy LEE

15h40-16h10 Special session: exhibitors and sponsors

16h10-16h30 COFFEE BREAK

16h30-18h30 Poster Session

Complex shaped particles and aggregates (CP)

(CP-10) Formation of spherical aggregate from micro droplet containing submicron inclusions, Mariusz WOŹNIAK*, Justice ARCHER, Gennadiy DERKACHOV, Daniel JAKUBCZYK, Tomasz WOJCIECHOWSKI, Krystyna KOLWAS, Maciej KOLWAS

(CP-11) Thermometry of evaporating acetone droplets in near-critical conditions by combined phosphorescence/fluorescence measurements, Benjamin BORK*, Thomas KÖNIG, Florian WECKENMANN, Grazia LAMANNA and Andreas DREZLER

(CP-12) Role played by multiple scattering on the absorption and scattering properties of soot fractal aggregates, Jérôme YON*, Damien Hebert, Alexandre BESCOND, Claude ROZE and Alexis COPPALLE

(CP-13) Characterization and application of laser light scattering by ice crystals, A.-K. GANSMANN*, P. STEGMANN and C. TROPEA

(CP-14) Light scattering from helical microparticles, Rodrigo BECERRA-CARRILLO*, Jian YANG and Kevin ROBBIE

(CP-15) T-matrix methods for scattering by cylinders in optical tweezers, Xiaojiong QI*, Timo A. NIEMINEN, Alexander B. STILGOE, Vincent L.Y. LOKE, and Halina RUBINSZTEIN-DUNLOP

Far-field scattering (FF)

(FF-9) T-matrix based scattering model for bio-medical sensor, V. SCHMIDT*, Y. EREMIN and T. WRIEDT

(FF-10) Coupling T-Matrix formalism with UV-VIS polarization Laser LIDAR to retrieve atmospheric particles backscattering from desert dust, sea-salt and water soluble particles mixture, Alain MIFFRE*, Gregory DAVID, Elodie COILLET, and Patrick RAIROUX

(FF-11) Analytical solutions of plane wave scattering from a large sized chiral cylinder, Qing-Chao SHANG, Zhen-Sen WU*, Tan QU, Zheng-Jun LI, and Lei GONG

(FF-12) An analytic solution for the Gaussian beam scattering from a moving uniaxial anisotropic sphere, Mingjun WANG*, Huayong ZHANG, Xizheng KE, Pengfei WU

(FF-13) Numerical computation of the scattering properties of large arbitrary shaped particle by MLFMA and VCRM, Yue-Qian WU, Ming-Lin YANG, Kuan Fang REN* and Xin-Qing SHENG

(FF-14) ABSphere - Software for calculation of all physical properties of any shaped Beam by a spherical particle, Kuan Fang REN*

Mechanical effects of light (ME)

(ME-14) Theoretical aspects of single-beam multitrapping acoustical tweezers, Glauber T. SILVA*

(ME-15) Kramers escape rate of silicon nanowires in a double optical trap, A. MAGAZZU*, C. J. RICHARDS, T. J. SMART, A. IRRERA, M. G. DONATO, F. PRIOLO, P. G. GUCCIARDI, O. M. MARAGÓ and P. H. JONES*

(ME-16) Non Conservative optical forces for silicon nanowires in optical traps, A. MAGAZZU*, A. IRRERA, P. ARTONI, S. H. SIMPSON, S. HANNA, P. H. JONES, F. PRIOLO, P. G. GUCCIARDI, and O. M. MARAGÓ*

(ME-17) Optical tweezers force calibration of chromosomes, Nima Khatibzadeh, Ann A. M. BUI*, Alexander B. STILGOE, Timo A. NIEMINEN, Halina RUBINSZTEIN-DUNLOP and Michael W. BERNIS



- (ME-18) Radiation torque induced by Bessel beam, Renxian LI*, Lixin GUO, Ruiping YANG, Chunying DING and Zhensen WU
- (ME-19) Analysis of radiation force of a Laguerre Gaussian vortex beam on a uniaxial anisotropic sphere, Tan QU*, Zhen-Sen WU*, Qing-Chao SHANG, Zheng-Jun LI, Lei GONG
- (ME-20) Angular momentum transfer between Laguerre-Gauss beams and purpose-built microrotors, Vincent L.Y. LOKE*, Theodor ASAVEI, Timo A. NIEMINEN and Halina RUBINSZTEIN-DUNLOP
- (ME-21) "Optical gas bubble management" at its Laser thermo-capillary trapping in an absorbing liquid, A.D. BUTENKO, N.A. KAZACHKOVA, O.I. KOFMAN and V.I. LYMAR*
- (ME-22) A new polarimetric indicator in sensing applications based on magneto-dielectric nanoparticles, Ángela I. BARREDA, Juan M. SANZ, José M. SAIZ*, Fernando MORENO and Francisco GONZÁLEZ
- (ME-23) Scattering matrix measurements for single particles, Antti PENTTILÄ*, Hanna PENTIKÄINEN, Daniel GUIRADO RODRÍGUEZ, Jouni PELTONIEMI, and Karri MUIINONEN

Optical Particle Characterization (PC)

- (PC-15) Measurement of laser rainbow of elliptical liquid jet, Ruliang ZHONG, Xiang'e HAN* and He LIU
- (PC-16) Digital in-line holography for near field observation of liquid-liquid flows, Fabrice LAMADIE*, Laurent BRUEL and Lila OULDARBI
- (PC-17) On the measurement of nano and micro particles by Fourier Interferometric imaging, Sawitree SAENGKAEW*, Annie GARO, Siegfried MEUNIER-GUTTIEN-CLUZEL and Gérard GREHAN
- (PC-18) Numerical considerations on measurements of light-absorbing particles using polarized-type phase Doppler Method, Naomichi YOKOI* and Yoshihisa AIZU
- (PC-19) Ultrathermometry of Evaporating Droplets, Giennadiy DERKACHOV, Daniel JAKUBCZYK*, Mariusz WOŹNIAK, Justice ARCHER and Maciej KOLWAS
- (PC-20) Laser Speckle of Nanofluids and its Application in Velocity Distribution Measurement, Chuanlong XU*, Zhihong DU, Shimin WANG
- (PC-21) Ionisation of soot aggregates and primary particles in a laser field, Vivien BEYER, Douglas GREENHALGH, Yannis HARDALUPAS, Christopher HONG*, Alex M K P TAYLOR
- (PC-22) Fine particles sampling of light-scattering Laser photometer and air sampler with impaction sizer, C-H HUANG* and Y-Y CHANG
- (PC-23) Aerosol optical and microphysical properties retrieved from combination LIDAR with Sun/sky photometer: Preliminary results over Lille, Valentyn BOVCHALIUK*, Thierry PODVIN, Augustin MORTIER, Philippe GOLOUB, Oleg DUBOVIK, Didier TANRE, Igor VESELOVSKII, Stéphane VICTORI
- (PC-24) In situ individual aerosol particle composition: combining IR spectroscopy and coherent heterodyne scattering, Jay EVERSOLE*, Brian SAAR, David WOLINSKI, Ad-

- am SHABSHELOWITZ, Matthew HART and William HERZOG
- (PC-25) Conformable organic photo sensors for particle systems characterization, Matthias SENTIS, Fabrice R.A. ONOFRI*, Fabien CHAUCHARD, Olivier DHEZ, Jean-Yves LAURENT
- (PC-26) An improved Analysis of the Scattering Properties to the Half-Space Problem with Multiple Defect Particles for Optical Surface, Lei GONG*, Zhen-Sen WU
- (PC-27) Multiplex single particle and biological cell analysis in microfluidics, David DANNHAUSER*, Domenico ROSSI, Filippo CAUSA and Paolo A. NETTI
- (PC-28) Observation of red blood cells in blood coagulation using digital holographic microscopy, Hideki FUNAMIZU*, Yuki WATANABE and Yoshihisa AIZU
- (PC-29) Measurement of collected polarised light across a liquid-liquid extensional flow, Arab BELKADI, Dominique TARLET*, Agnès MONTILLET, Jérôme BELLETRE and Patrizio MASSOLI
- (PC-30) Coupling environmental acoustic levitation cell and Micro-Raman spectroscopy for monitoring photoevolution and hygroscopicity of single particles with atmospheric interest, Myriam MOREAU*, Yeny TOBON, Sophie SOBANSKA and Jacques BARBILLAT
- (PC-31) Characterization of nanoparticles aggregates by static light scattering, Cedric MONTET, Matthias SENTIS and Fabrice ONOFRI*

Miscellaneous Topics (MT)

- (MT-1) Intrinsic Method for the Evaluation of Beam Shape Coefficients in Spheroidal Coordinates for Oblique Illumination, Lu HAN*, Yi Ping HAN, Gerard GOUESBET, and Jia Jie WANG
- (MT-2) Effect of Fractal Parameters of Soot Aggregates on their Absorption and Scattering Properties Simulated by Discrete Dipole Approximation, Gizem OKYAY* and Franck ENGUEHARD
- (MT-3) Dynamic polarimeter for spectral imaging of scattering media, J. M. SANZ, F. CARMAGNOLA, A. FERNANDEZ, F. MORENO, F. GONZALEZ and J. M. SAIZ*
- (MT-4) Diffusion of a laser pulse in a particle medium with three-dimensional geometry, Feng XU* and Anthony B. DAVIS
- (MT-5) Dynamics of laser excited colloidal Au nanoparticles conjugated with cysteine, Alexandra FALAMAS, Nicoleta TOSA* and Valer TOSA
- (MT-6) Optical properties of core-shell gold-iron oxide and iron oxide-gold nanoparticles for near UV and visible radiation wavelengths, Victor PUSTOVALOV, Liudmila ASTAFYEVA* and Galina LEDNEVA
- (MT-7) Ideal absorption design in nanoparticles, Brian STOUT*, Nicolas BONOD, Jérôme WENGER, Victor GRIGORIEV
- (MT-8) Polarized light extraction from light emitting diode using metallic nanostructures, Örs SEPSI*, Tibor GÁL and Pál KOPPA

18h30 End.

20h00-23h00 Cocktail dinner



Tuesday 26th

8h30-9h10 Keynote Lecture

(AK-2) From optical tweezers to optically self-arranged and propelled microstructures, Pavel ZEMANEK

9h10-10h30 Mechanical effects of light (ME I)

Chair: David G. GRIER, Bernard POULIGNY

(ME-1) Optical trapping and manipulation of nanostructures, O. M. MARAGÓ*, M. G. DONATO, A. MAGAZZU, A. IRRERA, C. D'ANDREA, E. MESSINA, B. FAZIO, M. A. IATI, P. H. JONES, and P. G. GUCCIARDI

(ME-2) Photonic Nanojet in Optical Tweezers, Antonio A. R. NEVES*

(ME-3) As Diverse pathes leden diverse folk the righte way to radiation pressure, Timo A. NIEMINEN*

(ME-4) Optical Torques for Alignment of Au Nanorods, Jiunn-Woei LIAW, Wei-Jiun LO, and Mao-Kuen KUO*

10h30-11h00 COFFEE BREAK

11h00-12h20 Far-field scattering (FF I)

Chair: Jay EVERSOLE, Yiping HAN

(FF-1) Discrete Dipole Approximation for Particles near Surface: a 3D-FFT-accelerated Implementation, Maxim A. YURKIN* and Marcus HUNTEMANN

(FF-2) Analysis of chiral sphere rainbows in geometric optics model, Zhen-Sen WU*, Qing-Chao SHANG, Tan QU, Zheng-Jun Li and Lei GONG

(FF-3) Generalized rainbow patterns for spheroidal droplet characterization, Haitao YU, Jianqi SHEN and Cameron TROPEA*

(FF-4) Vectorial Complex Ray Model – from geometrical optics to ray theory of wave, Kuan Fang REN*, Claude ROZÉ, Yijia YUAN

12h30-14h00 Lunch

14h00-15h40 Complex shaped particles & aggregates (CP I)

Chairs: Lixin GUO, Maxim YURKIN

(CP-1) On the electromagnetic scattering of arbitrary shaped beams by arbitrary shaped particles: a review, Gérard GOUESBET*, James A. LOCK and Michael I. MISHCHENKO

(CP-2) Light scattering on single evaporating microdroplet of suspension: Fano resonances and surface pressure, Maciej KOLWAS*, Genadij DERKACHOV, Daniel JAKUBCZYK, Krystyna KOLWAS and Justice ARCHER

(CP-3) Electromagnetic modeling of sunscreen protection, Marie LECUREUX*, Carole DEUMIE and Stefan ENOCH

(CP-4) Helicity resonances in spheres, Xavier ZAMBRANA-PUYALTO*, Gabriel MOLINA-TERRIZA

(CP-5) Scattering properties of mineral and soot-containing aerosols, Janna M. DLUGACH*, Michael I. MISHCHENKO

15h40-16h10 COFFEE BREAK

16h10-17h50 Optical Particle Characterization (PC 1)

Chair: Gérard GREHAN, Cameron TROPEA

(PC-1) Fast nanoparticle sizing by image dynamic light scattering, Chengze XU, Xiaoshu CAI*, Jie ZHANG, Lili LIU

(PC-2) High-sensitivity low-coherence dynamic light scattering and particle sizing for nanoparticles (III) : Particle size distribution of pigment particles, Katsuhiko ISHII*, Sohichiro NAKAMURA and Yuki SATO

(PC-3) Light scattering in highly concentrated mono- and bimodal dispersions, Lena BRESSEL*, Miren AGUIRRE, Mariano BARRADO, Jose RAMON LEIZA and Olivier REICH

(PC-4) Diffusing wave spectroscopy: a modern light scattering technique to characterize mixtures/soft matter systems, Frédéric MONDIOT, Mathias REUFER, and Andreas C. VOELKER*

(PC-5) Digital In-line Holography for the characterization of inclusions in a suspended water droplet, Wisuttida WICHITWONG, Sébastien COETMELLE, Denis LEBRUN, Daniel ALLANO, Gérard GREHAN, and Marc BRUNEL*

17h50 End.

19h00-20h30 Guided tour

Wednesday, 27th

8h40-9h20 Keynote Lecture

(AK-3) Numerical techniques for shaped beam scattering by large and absorbing particle using variable separation methods, Kuan-Fang REN*

9h20-10h40 Far-field scattering (FF II)

Chairs: Gerard GOUESBET, Honoh SUZUKI

(FF-5) Scattering of a plane electromagnetic wave by a radially inhomogeneous generalized Luneburg lens, James A. LOCK*, Philip LAVEN and John A. ADAM

(FF-6) Light Scattering of a non diffracting zero-order Bessel beam by uniaxial anisotropic bispheres, Zheng-Ju LI*, Zhen-Sen WU, Tan. QU, Hai-Ying LI, Lu BAI and Lei GONG

(FF-7) Electromagnetic scattering by a general anisotropic dielectric nonspherical particle, Jia Jie WANG*, Yi PING HAN, Zhe Feng WU and Lu HAN

(FF-8) Observation of laser light scattering by randomly oriented particles at exact backscattering angle, Alain MIFFRE *, Gregory DAVID, Elodie COILLET, and Patrick RAIROUX

10h40-11h10 COFFEE BREAK

11h10-12h30 Plasmonics (PL I)

Chairs: Philippe COURTEILLE, Timo A. NIEMINEN

(PL-1) Au-fluorophore nanohybrids: experimental evidence of the plasmonic Dicke effect, Pierre FAUCHÉ*, Miguel COMESAÑA-HERMO, Brahim LOUNIS, Serge RAVAINÉ and Renaud VALLÉE

(PL-2) Enhanced Spin-Hall and Goos-Hänchen shift(s) mediated by scattering in plasmonic nanoparticles, Jalpa

PROGRAM



SONI*, Shampy MANSHA, S. Dutta GUPTA, Ayan BANERJEE and Nirmalaya GHOSH

(PL-3) Tailoring the spectral efficiency of gold nanospheres using size dependence of plasmon resonance frequencies and damping rates, Krystyna KOLWAS* and Anastasiya DERKACHOVA

(PL-4) Analysis of the scattering behaviour of two spherical plasmonic particles, Wen FENG*, Jens HELLMERS, Vladimir SCHMIDT, Lutz MÄDLER and Thomas WRIEDT

12h30-14h00 Lunch

14h00-15h40 Mechanical effects of light (ME II)

Chair: Martin Šiler, Giorgio VOLPE

(ME-5) Practical Tractor Beams, David G. GRIER* and David B. RUFFNER

(ME-6) Optical trapping in secondary maxima of a tightly focused laser beam, Martin ŠILER*, Petr JÁKL, Jan JEŽEK, Lukáš CHVÁTAL and Pavel ZEMÁNEK

(ME-7) Magnetic nanoparticles ring formation and dynamics, JanMASAJAD* and Marcin BACIA

(ME-8) Why do ellipsoidal particles oscillate in focused Gaussian beams? Jean-Christophe LOUDET*, Bernard POULIGNY and Besira MIHIRETIE

(ME-9) Optical binding and hydrodynamic synchronization between non-spherical colloidal particles, Stephen H. SIMPSON, Stuart BOX, Luke DEBONO, Philip H. JONES, Onofrio M. MARAGÓ and Simon HANNA *

15h40-16h10 COFFEE BREAK

16h10-17h50 Optical Particle Characterization (PC II)

Chairs: Xiaoshu CAI, Norbert ROTH

(PC-6) Energy redistribution in single particle interference microscopy, Markus SELMKE*, Irene NEUGEBAUER and Frank CICHOS

(PC-7) Identification and characterization of cell-Derived microparticles using light scattering, Anastasiya I. KONOKHOVA*, Darya N. CHERNOVA, Dmitry I. STROKOTOV, Maxim A. YURKIN, and Valeri P. MALTSEV

(PC-8) Interferometric out-of-focus imaging simulator for irregular multi-emitters. Application to the characterization of irregular rough particles, Marc BRUNEL*, Sébastien COETMELLE, Gérard GREHAN and Huanhuan SHEN

(PC-9) Simultaneous mapping of droplets size and concentration in sprays using structured laser illumination planar imaging, Yogeshwar Nath MISHRA*, Eliás KRISTENSSON and Edouard BERROCAL

(PC-10) Determination of droplet velocity and size immediately before impacting into a liquid pool, Norbert ROTH* and Bernhard WEIGAND

17h50 End.

Thursday, 28th

8h40-9h20 Keynote Lecture

(AK-4) Electromagnetic scattering by dense discrete random media: physics and numerically exact results, Michael I. MISHCHENKO

9h20-10h40 Complex shaped particles & aggregates (CP II)

Chairs: Janna DLUGACH, Thomas WRIEDT

(CP-6) Method of moment solution for the electric current volume integral equation, Johannes MARKKANEN*, Antti PENTTILÄ, Jouni PELTONIEMI and Karri MUINONEN

(CP-7) T-matrix calculation with the Green's dyadic technique for electromagnetic scattering: a numerical approach using Dyson equation, Ugo TRICOLI*, Klaus PFEILSTICKER

(CP-8) Light scattering by random irregular particles with different morphology, Yevgen GRYNKO*, Evgenij ZUBKO

(CP-9) High-frequency Gaussian beam scattering by ice crystals, Patrick STEGMANN*, Erion GJONAJ and Cameron TROPEA

10h40-11h10 COFFEE BREAK

11h10-12h30 Mechanical effects of light (ME III)

Chairs: Onofrio M. MARAGÓ, Antonio A. R. NEVES

(ME-10) Scattering of focused Laser beam in Zebrafish brain, Itia FAVRE-BULLE*, Daryl PREECE, Timo A. NIEMINEN, Ethan K. SCOTT and Halina RUBINSZTEIN-DUNLOP

(ME-11) Polarization dependent optical trapping of chiral microresonators, M. G. DONATO*, J. HERNANDEZ, A. MAZZULLA, C. PROVENZANO, R. SAIJA, M.A. IATI, A. MAGAZZÙ, P. PAGLIUSI, R. BARTOLINO, P. G. GUCCIARDI, O. M. MARAGÓ AND G. CIPPARRONE*

(ME-12) The escape of spheres from optical tweezers, Alexander B. STILGOE, Nima KHATIBZADEH, Ann A. M. BUI*, Timo A. NIEMINEN, Michael W. BERNIS and Halina RUBINSZTEIN-DUNLOP

(ME-13) Brownian motion in speckle light fields: from anomalous diffusion to optical manipulation, Giorgio VOLPE*, Giovanni VOLPE and Sylvain GIGAN

12h30-14h00 Lunch

14h10 Buses departure

15h10-19h30 Excursion

19h30-23h00 Gala Dinner

23h15 Buses departure

24h00 Buses arrival to Marseille

PROGRAM



Friday, 29th

8h30-9h10 Keynote Lecture

(AK-5) Laser scattering in particle characterization: application perspective, Renliang XU

9h10-10h30 Optical Particle Characterization (PC III)

Chairs: Yoshihisa AIZU, Jose M. SAIZ

(PC-11) Particle characterization with digital holography, Matthew BERG*, Nava SUBEDI and Nicholas FOWLER

(PC-12) Measurement of bubbles inside a droplet by digital in-line holography, DARAWAN PEJCHANG*, Sébastien COETMELLE, Gérard GREHAN, Daniel ALANO, Denis LEBRUN and Marc BRUNEL

(PC-13) Measurement of spray characteristics by FII: Experimental validation² on calibrated multijet, Sawitree SAENGKAEW*, Siegfried MEUNIER-GUTTIIN-CLUZEL and Gerard GREHAN

(PC-14) Transient evolution of refractive index gradients inside single isolated droplets with rainbow refractometry, Christopher ROSEBROCK, Thomas WRIEDT and Lutz MÄDLER

10h30-11h00 COFFEE BREAK

11h00-12h00 Plasmonics (PL II)

Chairs: Simon HANNA, Maciej KOLWAS

(PL-5) Multiple light scattering from ordered and disordered atomic clouds, Philippe COURTEILLE* and Romain BACHELARD

(PL-6) Surface plasmon polaritons in linear chains of silver nanospheroids, Iliia L. RASSKAZOV*, Sergei V. KARPOV and Vadim V. MARKEL

(PL-7) Multiple particle scattering approach applied to coupling effects in plasmonic aggregates: from hybrid dimer modes to quadrumer Fano resonances, Saïd BAKHTI, Nathalie DESTOUCHES and Alexandre TISHCHENKO*

12h00-12h30 Conclusive keynote

12h30-14h00 Lunch

14h00 End of LIP2014

*Corresponding author