Curriculum Vitae di Leonida A. Gizzi

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POSITION at CNR
Current position (since 2001): Senior Researcher (1° Ricercatore) at Istituto di Ottica (INO) - CNR, Pisa.
Role: **Group leader and Head** of the Intense Laser Irradiation Laboratory (http://ilil.ino.it)

MAIN NATIONAL AND INTERNATIONAL APPOINTMENTS
> Head of the *Intense Laser Irradiation Laboratory* (ILIL) at *Istituto nazionale di Ottica* (INO-CNR) (since 2008)
> Workpackage coordinator, EuPRAXIA Infrastructure Design Study H2020(2015-2019)
> Chair of the *Beam Plasma and Inertial Fusion Section* (BPIF), Plasma Physics Division, European Phyisical Society (EPS) (2010-2012)
> Head of Unit (Responsabile di Commessa) Fotonica degli Alti Campi, Progetto Ottica, Fotonica e Plasmi, Dipartimento Materiali e Dispositivi, CNR, (2006-2015)
> Responsabile Scientifico Commissioning Laboratorio FLAME, Laboratori Nazionali di Frascati, INFN, Frascati, Roma, Italy, (2008-2011)
> Coordinator of the Facility Design of the High Power Laser Energy Research Infrastructure (HiPER) (2008-2010);
> Member of the Project Management Committee of the High Power Laser Energy Research Infrastructure (HiPER) (2008-2010);
> Contact point for CNR within the Extreme Light Infrastructure (ELI), WP7B, Radiation Sources
> Member of the Commission on Plasma Physics of the International Union of Pure and Applied Physics (IUPAP) (2008-2011)
> Elected Member of BPIF Board - Plasma Physics Division of the European Physical Society (EPS) (2008-2011)
> *Outstanding Referee* of the American Physical Society (APS)
> Vice-chair of the Management Committee of the COST Action MP0601 "SHORT WAVELENGTH LABORATORY SOURCES" (2007 to 2010).
> Member of the Facility Access Panel of the Central Laser Facility of the Science and Technology Facilities Council, UK (2009 - 2011).
> Member of the International Scientific Committee of the Prague Asterix Laser (PALS) of the Chech Academy of Science, Prague (2007 - 2010).
> Member of the International Scientific Committee of the PETawatt Aquitaine Laser (PETAL) of CEA/CSTA, Bordeaux (2007 - 2010).
> Member of the Core to Core Program on Ultrafast Intense Laser Science of the (JSPS) Japanese Society of the Promotion of Science (2006 - 2009).

DEGREES
1994: Ph.D. and D.I.C (Imperial College, University of London); Title: *Characterization of plasmas produced by nanosecond and picosecond laser plasmas.*
Laurea in Fisica(Università di Pisa); Title: *A study of X-ray emission from laser produced plasmas (Italian).*

PREVIOUS POSITIONS, SCHOLARSHIPS AND AWARDS: 2001 - 2009: Senior researcher (1° Ricercatore) at Istituto per i Processi Chimico-Fisici (IPCF) - CNR, Pisa • 1997 - 2001: Research staff member at Istituto di Fisica Atomica e Molecolare IFAM - CNR, Pis •. 1995 - 1997: Research staff member at ITESRE - CNR, Bologna • 1995 EU Marie Curie Fellowship at Imperial College, London, UK • 1994 Scholarship of the Italian Space Agency at IFAM-CNR, Pisa • 1993-1994 Scholarship of the National Research Council at l'Imperial College di London, UK • 1993 Research Associate at Imperial College, London, UK • 1991-1992 Scholarship of the National Research Council at IFAM-CNR, Pisa • 1991 Scholarship of the National Research Council at Imperial College di London, UK..

MAIN RESEARCH FIELDS: Laser-plasma acceleration - High Power Laser Interaction with Matter • All-optical X and Gamma Ray Generation and Applications • High Energy Astrophysics.

RESEARCH INTERESTS: Ultra Short, Ultraintense Laser Plasma Interactions • E.m. wave propagation • Atomic physics of ionised species • Collective phenomena and instabilities • Inertial confinement fusion related studies • X-ray generation and characterisation • Particle acceleration in laser-matter interactions • X-ray and gamma ray optics.

FORMER RESPONSABILITY OF RESEARCH PROJECTS
> EU FP7 - High Power laser Energy Reseach Facility (HiPER), Research Infrasturcures, Head of IPCF-CNR research unit;
> INFN Commissione Nazionale V, Progetto FAST - Femtosecond timing and sync, Local Coordinator - Sez. Pisa;
> EFS-COST Action MP0601 "Short Wavelength Laboratory Sources" (2007 to 2010), National representative;
> MIUR-FISR- national project on *Compact Ultrafast X-ray Sources*, National Coordinator, 2003-2007,
> EU FP5 European training network XPOSE, *X-ray probing of the structural evolution of matter*, Head of IPCF-CNR node, 2000-2004;
> ASI Italian Space Agency, Laue-diffraction optics for gamma-ray astronomy, Scientist in charge of Pisa research unit, 2000-2001;
> CNR institutional projects on *Physics of dense plasmas and X-ray sources*, Scientist in charge, 1997-2000;
> CLAIRE International Project, A balloon borne Laue-diffraction Gamma-ray telescope, 1997-2000;
> ASI project, The LAPEX Experiment, Scientist in charge, 1996-1997;

OTHER RESEARCH PROJECTS
> EC European training network GAUS-XRP II, Generation and application of ultrashort, laser-produced X-ray pulses, 1996-200;
> EC European training network SILASI, Superintense Laser Solid Interactions, 1996-2000;
> EC European training network GAUS-XRP I, Generation and application of ultrashort, laser-produced X-ray pulses, 1993-1995;
> CNR institutional projects on *High power density laser-matter interactions*, 1989-1996.

CONFERENCES AND WORKSHOPS
More than 50 oral and invited presentations at international conferences and workshops.

PUBLICATIONS
Author of more than 250 publications (Source ISI Web of Science) including 172 articles on **refereed** (JCR) (as of 12 April 2017). ISI-WOS H-index: 29*. GoogleScholar H-Index 34.

*Including "Spectroscopic evidence for sum frequency of forward and backscattered light in laser plasmasA Giulietti, D Giulietti, D Batani, V Biancalana, L Gizzi, L Nocera, ... Physical review letters 63 (5), 524 (1989)", not detected by the ISI Database (48 citations on Google Scholar).

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Leonida A. Gizzi