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| <p>Name , Surname Date of birth Nationality Gender</p> | <p>Marcello Coreno 13/08/1967 Italian Male</p> |  |
| <p>Address</p> | <p> CNR-ISM, c/o Lab. Elettra Basovizza Area Science Park ss.14 Km.163,5 – 34149 Trieste, Italy</p> <p> +39 040 3758420 (uff)  +39 333 1381101</p> <p> marcello.coreno@cnr.it</p> <p> Skype Marcello_Coreno</p> | |
| <p>WEB pages</p> | <p>https://www.cnr.it/en/people/marcello.coreno?event=index</p> | |
| <p>Present Position</p> | <p>CNR, Senior Scientist</p> <p>Principal beamline scientist at the GasPhase beamline (Elettra, Trieste, ITALY)</p> <p>I am coordinating scientific and technical operations at the Gas Phase beamline within the agreements between Consiglio Nazionale delle Ricerche (CNR) and Elettra Sinchrotrone Trieste, and funding from the EUROFEL project of the CNR Department of Physical Sciences and technologies of Matter (DFSTM).</p> | |
| <p>Name and address of employer sector</p> | <p>Consiglio Nazionale delle Ricerche, Istituto di Struttura della Materia CNR-ISM, Trieste Research Unit, Basovizza Area Science Park, 34149 Trieste Physics, Chemistry, Research Infrastructure</p> | |
| <p>Brief research profile</p> | <p>My research activities address the electronic structure of matter and the dynamics of atomic and molecular interactions ruling reactive processes at the microscopic level. At Elettra I'm involved in the development of new methodologies for electron spectroscopy, by means of synchrotron radiation and laser techniques. I've been focusing on the use of photoionization and photoemission for the study of systems of increasing complexity, such as organic and biological molecules involved in conformational and tautomeric equilibria, metal complexes with organic molecules, clusters and nanoparticles, in order to correlate spectroscopic characteristics and geometric structure with their reactivity, also of photochemical type. I have carried out management tasks obtained in projects and research infrastructure of international level, such as Elettra, CITIUS and FERMI. Within CNR-ISM research activities I coordinate the "LD2, Low Dimension and Low Density" macroarea. The outcome of my scientific activity in the field of Atomic and Molecular Physics has so far resulted in 275 papers published on peer reviewed international journals (such as Physical Review Letters, Nature Photonics, PCCP, JACS, J. Chem. Phys.,...), as well as proceedings and contributions presented to national and international conferences and workshops, e.g. EUCMOS, MOLEC, EIPAM, Users' Meetings of Synchrotron facilities such as Elettra (I), Soleil (F), Max-Lab (S), ...</p> | |
| <p>Scopus statistics</p> | <p>Scopus Author ID: 56908506000; 340 publications H-Index 40; Sum of citations: 6148; Average Citations per Article: 17.2 Orcid ID: 0000-0003-4376-808X; WoS Researcher ID: C-9340-2012 A more detailed list of publications can be found on my research profiles on the web (see above).</p> | |
| <p>Technical skills and competences</p> | <p>Wide expertise in physical chemistry, photoelectron and fluorescence spectroscopy, mass spectrometry, laser and synchrotron instrumentation, use and development. Tutorship of undergraduate and ph.D. Students in physical and chemical sciences. Ability to prepare proposals and evaluation reports within tight deadlines.</p> | |
| <p>Social skills</p> | <p>Good capabilities of team working within International research teams</p> | |
| <p>Organisational skills and competences</p> | <p>Coordination of Research Groups in an international environment CNR-ISM, Trieste Branch, Head Gas Phase beam line (Elettra, Trieste), Head. Team Manager of the CNR Research Unit of the AHEAD2020 UE project; Team Manager of the Elettra Research Unit of the CITIUS Italo Slovenian project;</p> | |
| <p>Computer skills and competences</p> | <p>Good ability with word processing and data base programs (Microsoft Office based); instrumental development and data acquisition.</p> | |

| Personal skills and competences | | | |
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| | Languages | | |
| Mother tongue(s) | Italian | | |
| Other language(s) | English (good), German (basic), Russian (fair), Slovenian (fair) | | |
| European level | Common European Framework of Reference (CEF) level http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en | | |
| | Understanding | Speaking | Writing |
| English | C1 | C2 | C1 |
| German | B1 | B1 | B1 |
| Russian | A1 | A2 | A1 |
| Slovenian | A1 | A2 | A1 |
| Work Experience | | | |
| Positions held | Main Activities | | |
| 2001-present address | Research Scientist at CNR (Consiglio Nazionale delle Ricerche) CNR-ISM, c/o, Elettra Synchrotron Light Laboratory Basovizza Area Science Park, 34149 Trieste, Italy | | |
| sector | 2014 –present: CNR-ISM (Istituto di Struttura della Materia) Previously at CNR-IMIP (Istituto Metodologie e Plasm) and IMAI (Istituto Metodologie Avanzate ed Inorganiche) Physics, Chemistry, research Infrastructure. CNR-DFSTM main research theme: Advanced instrumentation and new methods for matter's investigation. | | |
| 05/1998-10/2001 | Research Scientist at INFN (Istituto Nazionale Fisica della Materia); Fixed term contract (5y). INFN- Laboratorio Nazionale TASC – Trieste, Italy Physics, Chemistry, research Infrastructure | | |
| 02/1998-05/1998 | Post Doctoral Fellowship at INFN “Synchrotron radiation high resolution spectroscopy with supersonic molecular beams” INFN- Research Unit of the University of Trento, Physics Dept. tutor: prof. Davide Bassi Chemical Physics, Physical Chemistry, Research Lab. | | |
| 11/1994-02/1995 | Professional Collaboration at CNR-IMS “Analysis of Spectroscopic Data of Pollutants” CNR-IMS (Istituto Materiali Speciali) Zona Industriale, c.p. 27 , Tito Scalo (Potenza, Italy) Chemical Physics, Analytical Chemistry. | | |
| 1991-1994 | Technical consultant on bone densitometry equipment for osteoporosis prevention at biomedical laboratories. | | |
| Grants | | | |
| 01/03/1995-31/01/1998 | CNR fellowship (3 grants) “Electron spectroscopy by means of Synchrotron Radiation” CNR- IMAI (Istituto Metodologie Avanzate ed Inorganiche), tutor: dr. Rossana Camilloni c/o Elettra laboratory, Basovizza Trieste (Italy) | | |
| 25 th May–15 th June 2006 | Short term Mobility CNR (Italy) – KTH (Sweden) “Fotoionizzazione e Fluorescenza dispersa di biomolecole in fase gassosa” Mother Institution: Consiglio Nazionale delle Ricerche –IMIP Guest Institution: KTH (Kungliga Tekniska Högskolan, Royal Institute of Technology, Atomic and Molecular Physics, Stockholm (Sweden) | | |

Education and training

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| 05/11/1995 | <p>Ph.D in Chemical Sciences – Physical Chemistry <i>Laser photoionization of van der Waals clusters</i> Supervisor prof. Anna Giardini Università di Roma “La Sapienza” AA 1994/95 Roma. Italia 1992-1994 experimental work at the Laser Kinetics and Photochemistry laboratory, University of Roma “La Sapienza”, Chemistry Dept.</p> |
| 09/1991-05/1992 | <p>INFM fellowship <i>“Laser Experiments in the project of the Gas Phase Photoemission beam line”</i> Consorzio Interuniversitario INFM, Research Unit of University of Rome, Chemistry Dept. Experimental work at “Laser Kinetics and Photochemistry laboratory”; tutor prof. Anna Giardini.</p> |
| 30/05/1991 | <p>Laurea in Chemistry (summa cum laude) <i>“Reduction of aromatic ketones in the presence of surfactants”</i> (Physical Organic Chemistry) Experimental work at CNR “Centre for the study of organic reaction mechanisms” Tutors: dr. Giovanna Mancini, prof. Bernardo Masci. University of Rome “La Sapienza”, dept. of Chemistry, AA 1990/91 Roma. Italy. 5 years under graduate course.</p> |
| Training courses, stages, schools | <ol style="list-style-type: none"> 1. Training course of CNR – Dept. of Material and Devices, “<i>Regional Policies in the field of Research and Innovation</i>”, CNR-SPIN (Genova, Italy) 29th-30th November 2011 2. KTH (Royal Institute of Technology) “<i>Photoionization and dispersed fluorescence of biomolecules in the gas phase</i>”, May 2006, Stockholm (Sweden), CNR, Short Term Mobility grant. 3. Advanced Study Institute on “<i>Structural techniques for Advanced Radiation studies</i>”, University of Camerino, Italy, September 1998 4. Winter European school “<i>Structure and reactivity of Molecular Ions</i>”, University of Trento, Candriai, February 1998. 5. Advanced Study Institute on “<i>Frontiers for Chemical Dynamics</i>”, NATO school, Kemer, Turkey, September 1994. 6. IV-Multidisciplinary Course “<i>Education for Development</i>”, UNICEF & University of Rome “La Sapienza”, Rome A:A: 1993/94 7. Wiener Internationale Hochschulkurse “<i>German language Course</i>”, August-September 1992, Wien (Austria) , school attended with the fellowship of Austrian Ministry for Science and Research. 8. International Summer Camp (UNESCO) “<i>Archaeological Camp</i>” SCI – Service Civil International, August 1989, Minsk (Belarus). 9. Native Language teacher courses “<i>German</i>”, Faculty of Science, University of Rome “La Sapienza”, two academic years, A.A. 1991/92 and 1992/93 Roma, Italy. 10. Native Language teacher courses “<i>Russian</i>”, Faculty of Science, University of Rome “La Sapienza”, two academic years, A.A. 1988/89 and 1989/90 Roma, Italy. 11. Advanced level language course “<i>English</i>”, Academy International, London, September-October 1985 , London (UK). |
| Coordination tasks in Projects and Research Teams | |
| 2009-present | <p>Gas Phase beamline, coordinator of CNR research team Together with the Elettra responsible scientist, I coordinate the scientific and technical activity of the Gas Phase research team (RT), taking care of the development plan of the beamline, and of the related instrumentation available to RT and external users. Each semester I prepare the technical feasibility report on Users’ experimental proposals for the scientific evaluation by the beamline peer review; later I share the local contact activities during approved experiments. Funding: approx. 40 kE/ year (presently from CNR - EUROFEL MIUR international project) Research team members: M. Coreno (ISM-CNR), L. Avaldi (ISM-CNR); M. Alagia (IOM-CNR), M. de Simone (IOM-CNR), K. C. Prince (Elettra - ST), R. Richter (Elettra - ST)</p> |
| AHEAD2020 02/03/2020-30/11/2024 | <p>AHEAD2020 "Integrated Activities for the High Energy Astrophysics Domain" AHEAD2020 has been approved within the INFRAIA-01-2018-2019 call to advance the integration of national efforts in high-energy astrophysics, keeping the community at the cutting</p> |

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| | <p>edge of science and technology and ensuring that observatories are at the state of the art. The project will integrate key infrastructures for on-ground test and calibration of space-based instrumentation and promote their coordinated use. CNR provides to the AHEAD community research infrastructures at the Elettra Italian National synchrotron radiation source, for laboratory measurements of XUV optics performances (WP5) and of wavelengths and cross sections of inner-shell transitions of astrophysically abundant ions (WP13).</p> <p>Role: Team leader; CNR Budget: € 210.000 (project DFM.AD006.168)</p> <p>Total Value: € 9.485.000 ; Project leader: Dr. L. Piro (INAF)</p> <p>http://ahead.iaps.inaf.it/</p> |
| 09.2019-04.2020 MOST 2020 | <p>MOST2020 “Workshop on the Molecular Science and Technology beamline”</p> <p>Organization of the first meeting of the Italian AMO community to discuss research activities and development plan of the MOST beamline within the Elettra 2.0 project for the upgrade of Elettra, the Italian national synchrotron radiation Laboratory (Trieste, I)</p> <p>Role: Project leader; Budget: € 6.000</p> <p>Partners: CNR, Elettra, CERIC-ERIC</p> |
| 2010-2019 Elettra-ST Research Associate | <p>Research Associate at Elettra Sincrotrone Trieste ScpA</p> <p>For research activities within the FERMI cluster of Elettra -ST (projects ANGEL, CITIUS and CLAMPS , see below)</p> |
| CLAMPS 2015-2019 | <p>CITIUS – LDM Atomic and Molecular Physics Support laboratory at Elettra, Trieste.</p> <p>Continuation of the collaboration activity of the CITIUS cross-border laboratory until in order to establish a general laboratory for Atomic and Molecular Physics activities at Elettra (GLAM).</p> <p>Elettra Project P2013081, value 27700 Euro ; Role: Project Leader</p> <p>Type / funding: Elettra - Sincrotrone Trieste internal project</p> |
| GAUDETE 2017-2018 | <p>“GAs phase Upgraded DETECTOR “</p> <p>Upgrade of the VG hemispherical photoelectron analyzer; installing a 3D(x,y,t) detector for efficient electron-ion coincidence and time-resolved experiments.</p> <p>Leader: dr. Robert Richter (Elettra)</p> <p>Elettra project Idea 2017130); Total Value: 31150 EUR ; Role: Proposer; responsible for ISM-CNR cofunding through ISM-CNR budget [GAE “GASPHASE (Coreno)” - DFM.AD006.006, Progetto a valenza internazionale RoadMap ESFRI EUROFEL].</p> |
| PIK (Elettra-CNISM-SILS) 2013-2014 | <p>Single-shot X-Ray emission spectroscopy experiments</p> <p>The main goal of the project has been to realize the prototype of an innovative, easy-to-install and compact photon spectrometer to be used for photon in-photon out experiments with synchrotron radiation and in particular for single-shot x-ray emission spectroscopy at FEL.</p> <p>Total value: 80000 Euro; Leader dr. L. Poletto (IFN-CNR, Luxor, Padua, Italy)</p> <p>Type / funding: CNR - IFN external project / Elettra -CNISM -SILS call for "Project In kind"</p> <p>Role:Team manager of the CNR unit at GasPhase, Elettra (M. Coreno , A. Kivimaki, M. de Simone); Local unit value: 10 Keuro (CNR -IOM).</p> |
| CITIUS 2010-2014 | <p>CITIUS : Interregional Center of Ultrafast Photonic Technologies for Spectroscopy</p> <p>The project has established a new interregional center of excellence for the development and use of novel light sources in fundamental and applied research. The CITIUS fs-VUV light source has been installed at the Laboratory of Quantum Optics of Nova Gorica University. The project has also contributed to the development of the pump-probe section of the Low Density Matter beamline of the FERMI Free-Electron Laser (Elettra, Trieste). Six partner have been involved: the University of Nova Gorica (UNG), Elettra Sincrotrone Trieste, CNR - IFN (Luxor, Padua), CNR.ISOF (Ferrara), the company Kontrolni Sistemi d.o.o. and Ljubljana University.</p> <p>Total value: 2,6 M euro; Leader prof. Giovanni De Ninno, University of Nova Gorica (Slovenia)</p> <p>Elettra Project P2010029; value : 836000 (Elettra local unit); Role:Leader;</p> <p>Team manager of the Elettra local research unit : M. Coreno, E.Allaria, C. Callegari, C. Grazioli, L. Romanzin, C. Spezzani, M. Trovò (Elettra-ST)</p> <p>Type / funding: Elettra-Sincrotrone Trieste external project / Italo-Slovenian Cross Border Cooperation Program 2007-2013 (CUP: D75E10000020003)</p> <p>http://www.elettra.eu/lightsources/labs-and-services/citius/citius.html</p> <p>https://intranet.cnr.it/servizi/people/prodotto/scheda/i/148703</p> |

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| <p>ANGEL 2011-2014</p> | <p>Analysis of Nanostructures in Supersonic Jet by FEL</p> <p>The project aimed at assembling the Low Density Matter (LDM) endstation, for specific applications in the research and developing of novel materials (nanomaterials) based on nanometer-sized building blocks (nanoclusters); as well as to develop the necessary cluster source, and to characterize it offline for the production of nanomaterials in collaboration with partner institutions [department of Physics of Freiburg University (D) and CNR (ISM and IOM)]. Elettra Project P2010016; Total value: 1,14 MEuro; Leader: dr. Carlo Callegari (Elettra –ST). Type / funding: Elettra-Sincrotrone Trieste external project / Friuli Venezia Giulia regional project, POR-FESR 2007-2013, DGR 116/2010 (CUP: D93D11000700007) Role: Deputy within Elettra project administration; responsible for CNR in kind contribution</p> |
| <p>Participation in Projects and Research Teams</p> | |
| <p>DyNaChiro 2017- 2019</p> | <p>" Spectroscopy and Dynamics of Chiral Systems"</p> <p>Dyna Chiro aims to probe the dynamical behaviour of chiral molecules, with chiral sensitivity. The major challenges are the weakness of chiral effects in spectroscopy, and the dilute nature of the target. Furthermore, it aims at studying the chiral behaviour of topological insulators. The major challenges are the complexity of the physics and the fast time scales. The project is founded on collaboration between the Italian CERIC partner facility at Elettra Sincrotrone Trieste and the Polish CERIC partner facility at the National Synchrotron Radiation Centre SOLARIS in Krakow, CNR-Istituto di Struttura della Materia, the University of Nova Gorica and University of Silesia, that will all bring valuable experience and competence to the project.</p> <p>Role: Member of the CNR - ISM partner unit Type / funding: Elettra-Sincrotrone Trieste, external project / CERIC- ERIC research grant Web site: http://www.c-eric.eu/index.php?n=Research.DynaChiro Total Value: 450 kE ; Leader: dr. K.C. Prince (Elettra -ST)</p> |
| <p>COST actions 2016- 2018</p> <p>2015 - 2017</p> | <p>EUSPEC, COST action MP 1306. http://www.xlic.eu/ <i>"Modern Tools for Spectroscopy on Advanced Materials: a European Modelling Platform "</i> Participation to WG3 "Time-resolution" and WG5 "Experiment"</p> <p>XLIC , COST action CM1204 . http://www.xlic.eu/ <i>"XUV/X-ray light and fast ions for ultrafast chemistry" .</i> Participation to WG1 "Ultrafast electron dynamics in molecules" , WG2 -"Reactivity of highly excited and highly charged molecules"; and WG3 " Control of chemical reactivity"</p> |
| <p>CLa4SENSE 2015 FESR Basilicata</p> | <p>Combined Laser Nanotechnology For Solar Energy and Sensors</p> <p>Knowledge development of Key Enabling Technologies through experimental base and applied research to define new laser methodologies for the production of nanostructured materials and diagnostic techniques for time resolved monitoring of laser induced process.</p> <p>Gas phase characterization of organic π-conjugate materials using High Resolution Photon Emission Spectroscopies with Synchrotron Radiation.</p> <p>Role: Participant; local contact at Elettra for SR measurements Type / funding: CNR external project ; FESR Basilicata 2007-2013 Total Value: 90 kE ; Leader : Dr. A. Santagata, CNR - ISM, Tito Scalo (Pz)</p> |
| <p>PRIN 2010-2011 "2010ERFKXL_006" 02/2013-01/2016</p> | <p>Frontier studies in molecular spectroscopy and dynamics: from simple molecular systems to supramolecular aggregates and advanced materials</p> <p>Advanced spectroscopic, experimental and theoretical methodologies have been applied to investigate various electronic and structural properties common to small molecular systems, supramolecular and condensed phases systems.</p> <p>Role: Member of the research unit of Rome University "La Sapienza"; Local Responsible prof. M. Speranza / prof. A. Filippi. Type / funding: Research Project of National Interest / MIUR (Italian Ministry of University and Research) Total value: 1,14 M euro; Leader: dr. Carlo Callegari (Elettra -ST, Trieste)</p> |

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| <p>Foresight S&T, CNR 2013 - 2015</p> | <p>"Foresight Science and Technology: from Research to market" The Science and Technological Foresight Project seeks to define a medium to long-term vision (5 to 30 years) in order to elaborate coherent research strategies, and to address serious socially relevant problems related to environment, health, food, energy, security and transportation. Role: Member of Coordination Team Type: "Progetto Premiale FOE" 2012 CNR in collaboration with Trieste AREA Science Park</p> |
| <p>EUFOS 2006 - 2009</p> | <p>Analysis of the charge injection ultrafast processes in light-emitting devices based on thin films of organic semiconductors The project has developed on the Elettra Storage Ring FEL a prototype beamline for characterization of FEL pulses and their use in time resolved experiments for the study of organic light emission devices. Role: Participant; responsible of the task "<i>Optical characterization of light pulses</i>" Leader dr. Giovanni De Ninno, Elettra - Sincrotrone Trieste ScpA Type / funding: Elettra-Sincrotrone Trieste, external project /call 2006 Friuli Venezia Giulia, FESR 2000/2006, action 2.6.1 I DOCUP objective 2 "Funding of large enterprises for R& investment"</p> |
| <p>ULISSE 2005-2008</p> | <p>ULISSE "Ultrabright Light Source Spectroscopy Experiments" The project has developed an experimental program devoted to pump-probe experiments in the field of atomic and molecular physics, in preparation of the future activities at the FERMI free electron laser. The project gathered researcher of Elettra and CNR within the Gas Phase beamline Research Team. Role: Participant . Type: Elettra-Sincrotrone Trieste internal project Total value: 300 K euro; Leader: dr. Kevin C. Prince Elettra - Sincrotrone Trieste ScpA</p> |
| <p>ST - AbsCell 1998-1999</p> | <p>"Design and realization of absolute gas cell" The project has developed an experimental chamber for measurement of photoabsorption absolute cross sections with synchrotron radiation at the Gas Phase Photoemission beamline. Role: Participant . Type: Elettra-Sincrotrone Trieste, internal project Total value: 11 K euro; Leader: dr. Monica de Simone, INFM, UdR Roma 3</p> |
| <p>Other scientific activities</p> | |
| <p>Reviewer activity</p> | <ul style="list-style-type: none"> Review activity of scientific papers for the American Chemical Society, IOP, Elsevier and Springer. Review activity of scientific proposals for Estonia Research Council (ETAG), Basque Foundation for Science (Ikerbasque), Austrian Science Fund (FWF), Canadian Light Source (CLS), Swiss Light Source (SLS - PSI), |
| <p>Conference and Workshop Organization and/or Chair</p> | <ul style="list-style-type: none"> MOST2020 MOST@Elettra 2.0: "Workshop of the Italian GasPhase user community" (in Italian), 20-21 January 2020, Elettra, Trieste - ITALY Co-chair http://www.elettra.eu/Conferences/2020/MOST/ PTPC 2019 "Photon Tools for Physical Chemistry 2019" workshop 8-11 January 2019, Beatenberg, Switzerland (CH); Organizing Committee and chair of the session "New opportunities" https://indico.psi.ch/event/6270/ TUMPES 2018 "Workshop: Trieste-Uppsala Meeting on PhotoElectron Spectroscopy 6-7 September, Uppsala, SWEDEN Member of organizing committee www.physics.uu.se/infoglueCalendar/digitalAssets/1626_BifogadFil_tumpes_2018_program.docx AARP International Seminar on "Advanced Accelerator & Radiation Physics" Italy-Russia bilateral seminar 14 -15 May , 2018, Elettra, Trieste, ITALY Member of organizing committee www.elettra.eu/lightsources/elettra/elettra-beamlines/gas-phase/italy-russia-bilateral-seminar.html X-TRAM "X-UV Time resolved spectroscopy and ab-initio methods" |

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| | <p>23-28 July 2017, EMFCSC, Erice (Italy); Directors: M. Coreno, N. Doslic, R. Gunnella http://superfici.df.unicam.it/web/sites/default/files/Xtram17_Erice20170723_28_0.pdf 12nd Course of the EMFCSC "INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS" Directors: P. HÄNGGI – F. MARCHESONI http://www.ccsem.infn.it/ef/emfcsc2017/2017Summary.pdf</p> <ul style="list-style-type: none"> • Wavefront "New Frontiers and Advanced Applications of 4th generation light sources to Atomic, Molecular, Optical, and Cluster Science" 30 November - 1 December 2016, ICTP, Trieste (Italy) Member of Scientific and Organizing Committee. http://www.elettra.eu/Conferences/2016/WAVEFRONT/ • "XUV spectroscopies and time resolved dynamics" Elettra Synchrotron Basovizza (Trieste-Italy) 14-15 April 2016 EUSPEC WG3 COST meeting; member of organizing committee http://www.euspec.eu/work-groups/group-3 • v- FAMC 2011 "New Frontier in Atomic , Molecular, and Cluster Physics and Chemistry" 14 - 15 November 2011, ICTP, Trieste (Italy) Program Chair http://www.elettra.eu/events/2011/vFAMC/ • WUTA '08 (Italian Workshop on Ultraviolet Techniques and Applications) 8th-10 October 2008 , LNF Frascati (Italy) Program chair http://www.lnf.infn.it/conference/wuta08 • 10 years of Atomic and Molecular Science at Elettra 31st May - 1st 2007, Elettra, Trieste (I) Member of organizing committee. http://www.elettra.eu/events/2007/GasPhaseX/Main.HomePage.html |
| Invited talks | <p>"Progettazione e Sviluppo di un Sistema Sensoriale per la Misura di Composti Volatili e l'Identificazione di Microorganismi di Interesse Occupazionale" 25/10/2019, Aula Magna dell'Università di Roma Tre <i>"Studio di molecole di interesse ambientale con nuove sorgenti nell'estremo ultravioletto (XUV)"</i> https://www.inail.it/cs/internet/comunicazione/news-ed-eventi/eventi/evento-bric-2016-sistema-sensoriale-comp-volatili-2019.html</p> <p>EuPRAXIA FEL Pilot User Application workshop June 17- 18, 2019 Lifestyle VOI Donna Camilla Savelli Hotel, Rome, Italy <i>"Novel XUV sources for Physical Chemistry Chemical Physics "</i> https://indico.desy.de/indico/event/23123/overview</p> <p>"Accelerator based photon sources as a versatile tool to probe matter: Present scope and outlook", March 27-29, 2018 DST , Indian Institute of Science , Bengaluru, India http://sscu.iisc.ac.in/people/workshop/ <i>"Atomic, molecular and cluster physics with novel XUV light sources "</i></p> <p>COST XLIC-WG2 "Expert meeting on biomolecules".27th- 30th April 2015, Fruškagora (Serbia). www.xlic-wg2-2015.ipb.ac.rs. <i>"Shedding light on molecular excited states with novel EUV sources."</i></p> <p>ISRNS 2016, The 13th International School and Symposium on Synchrotron Radiation in Natural Science , 13-18 June 2016, Ustroń, Poland <i>"Photoionization of atoms molecules and clusters with novel XUV light sources"</i></p> <p>UGO FANO Prize Symposium – 16th-19th December 2015, Aula Marconi, CNR, Rome (Italy) http://www.ricmass.eu/index.php?option=com_content&view=article&id=129&Itemid=168 <i>"Advances in Atomic and Molecular Physics Research with XUV Radiation Sources at the Elettra Laboratory"</i></p> <p>AARP-2015, International Workshop "Advanced Accelerator & Radiation Physics" June 29th -July 2nd 2015, NRNU-MEPHI, Moscow, (Russia) <i>"Femtochemistry illuminated with novel lightsources."</i></p> <p>Workshop" Interazione Luce – Materia: Chiralità Molecolare e altri aspetti; 9th December 2014, C.R. Enea, Frascati (RM), Italy. <i>"Spettroscopia di fotoionizzazione con nuove sorgenti di luce VUV"</i></p> |

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| | <p>COST Workshop on Methods and applications for organic photovoltaic; 1st February 2013, Area della Ricerca Trieste. <i>"Shedding light on the electronic structure of atoms, molecules and clusters"</i></p> <p>SPIG 2012 - 26th Summer school and International Symposium on the Physics of Ionized Gases. 27th – 31st August 2012, Zrenjan (Serbia) <i>"CITIUS and LDM@FERMI: VUV Light Sources for Ultrafast Spectroscopy on Atoms and Molecules"</i></p> <p>Round Table "Photoionization of atoms, molecules and clusters: experiments and theory" 27th July 2011, Ruder Boskovic' Institute, Zagreb (Croatia) <i>"Molecules and Clusters Photoionization at Elettra, Trieste: from Synchrotron to FEL radiation"</i></p> |
| Oral contributions | <p>SILS 2019; Convegno Nazionale della Società Italiana di Luce di Sincrotrone, 9th -11th September 2019, Camerino (Italy) <i>"Shedding light on low density matter with novel XUV light sources"</i></p> <p>XLVII CONGRESSO NAZIONALE DI CHIMICA FISICA 1 -4 Luglio 2019, Società Chimica italiana, Sapienza Università di Roma (Italy) M. Coreno, oral "Novel xuv facilities for atomic, molecular and cluster studies" Workshop: Applications of Synchrotron Radiation http://progettoadamo.enea.it/wp-content/uploads/2019/07/DCF_Program.pdf</p> <p>SILS 2011; XIX Convegno Nazionale della Società Italiana di Luce di Sincrotrone, XXII Convegno Nazionale Società Italiana Spettroscopia Neutronica; Secondo convegno congiunto SILS-SISN; 1st -3rd September 2011, Trieste (Italy) <i>"Photoionization Experiments in the Gas Phase"</i></p> <p>IBER 2011 – 11th Iberian Joint Meeting on Atomic and Molecular Physics; 19th – 22nd June 2011 Coimbra (Portugal). <i>"Photoionization Studies of Atoms, Molecules and Clusters. From Synchrotron to FEL radiation at Elettra, Trieste"</i></p> <p>DYSON 2010, "Dynamics of Systems on the Nanoscale" 16th -19th /12/ 2010, CNR, Rome (Italy). <i>"Photoionization studies with synchrotron radiation: from molecules to clusters"</i></p> <p>2nd FemtoLAB – November 23rd, 2010 ,Area della Ricerca CNR Potenza <i>"The Italian-Slovenian Interregional Centre for Ultrafast Spectroscopy"</i></p> <p>EUCMOS 2010, 30th European Congress of Molecular Spectroscopy, 29 August – 3 September 2010, Florence, (Italy) <i>"Molecular photoionization spectroscopy with synchrotron radiation"</i></p> <p>EIPAM 2009 / PEIC; "Joint EU-Australian Meeting 2009"; 12th – 16th October 2009, Trieste (Italy) <i>"Photoemission and photoionization spectroscopy of small biomolecules"</i></p> <p>MOLEC, 16th European Conference on Dynamics of Molecular Systems, 11th – 15th September 2006, Levico Terme, Trento (Italy) <i>"Photo Induced Fluorescence Spectroscopy of Core Hole States"</i></p> |
| Tutoring and didactic activities | |
| 2016-2018 CNR Early stage research fellow | <p>Dr. Cesare Grazioli , ISM-CNR, Trieste branch <i>"Photoionization and photoemission spectroscopy of low density matter and nanostructures "</i> SSD: FIS/03; Physics of matter; Supervisor: dr. Marcello Coreno</p> |
| 2016 – 2019 PhD in Nanotechnology Supervisor | <p>Alessandro D'Elia, PhD student in Nanotechnology 32nd PhD cycle, Department of Physics, University of Trieste, Dissertation Project: " Photoexcitation in nanostructured materials and precursors" SSD: FIS/03, Physics of Matter Supervisor, dr. Marcello Coreno; co-supervisor prof. A. Morgante</p> |
| 2014-2017 | Cesare Grazioli, PhD candidate in Nanotechnology |

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| PhD in Nanotechnology Supervisor | 29 th PhD cycle, University of Trieste, Department of Chemistry Dissertation: "Photoionization experiments in the study of energy transfer in nanostructured materials and their precursors" SSD: CHIM/02; Physical chemistry Supervisor: dr. Marcello Coreno; Co-Supervisor: prof. Giovanna Fronzoni |
| 2012-2015 PhD in Physics Supervisor | Michele Di Fraia, PhD candidate in Physics, 27 th University of Trieste, Department of Physics Dissertation : " Time - resolved and imaging techniques for photoionization studies of atoms, molecules and clusters" SSD: FIS/03; Physics of Matter Supervisor: dr. Marcello Coreno; Co-Supervisor: prof. Fulvio Parmigiani |
| 2006 | HERCULES 2006, International school for PhD, post doc and researchers. Univ. "Joseph Fourier" Grenoble, with didactic activity at Elettra (Italy) <i>Tutorial on Gas Phase Photoemission, 4h</i> |
| 2005 | HERCULES 2005, International school for PhD, post doc and researchers. Univ. "Joseph Fourier" Grenoble, with didactic activity at Elettra (Italy) <i>Excitation and decay of doubly excited states of helium, 4h</i> |