



Franz Saija



Birth date: 17/07/1969; **Nationality:** Italian; **Sex:** Male

Marital status: married with three daughters

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JOB POSITION

01/01/2023 – to date, Messina (Italy)

SENIOR RESEARCH – INSTITUTE FOR PHYSICAL AND CHEMICAL PROCESSES OF NATIONAL RESEARCH COUNCIL

01/01/2001 – 31/12/2022 Messina (Italy)

RESEARCHER - INSTITUTE FOR PHYSICAL AND CHEMICAL PROCESSES OF NATIONAL RESEARCH COUNCIL

01/01/1999 – 01/01/2000 Bruxelles, (Belgium)

POST-DOC - UNIT OF POLYMER PHYSICS, UNIVERSITY OF BRUXELLES

01/02/1997 – 31/12/1998 Messina (Italy)

FELLOWSHIP – INSTITUTE OF SPECTROSCOPICAL TECHNIQUES OF NATIONAL RESEARCH COUNCIL

01/11/1995 – 31/01/1997 Messina (Italy)

FELLOWSHIP - INFN (RESEARCH UNIT OF MESSINA)

EDUCATION

01/11/1992 – 31/10/1995 Messina (Italy)

Dphil in Physics - University of Messina

01/11/1987 – 20/07/1992 Messina (Italy)

Master (laurea) in Physics - University of Messina

09/1982 – 07/1987 Messina

High School Diploma - Liceo Scientifico "G. Seguenza", Messina

LANGUAGE SKILLS

English: Proficient; Italian: Mother tongue; French: Basic.

NATIONAL SCIENTIFIC HABILITATIONS (ASN)

10/04/2017 – 10/04/2028

Habilitation to teach as Full Professor in Italian Universities - Sector 02/B2 (Theoretical Physics of Matter)

05/04/2018 – 05/04/2029

Habilitation to teach as Full Professor in Italian Universities - Sector 03/A2 (Models and Methodologies for the Chemical Sciences)

26/07/2018 – 26/07/2029

Habilitation to teach as Associate Professor in Italian Universities - Sector 02/B1 (Experimental Physics of Matter)

AWARDS

- 1992 Winner of a Fellowship of “Uberto Bonino e Maria Sofia Pulejo” Fondation to spend a period of six months at the Department of Theoretical Physics of University of Trieste (Italy);
- Award “Incentivazione al Personale CNR – Year 2005”; National Research Council of Italy
- Award “Giordano Bruno 2016” International Academy “Amici della Sapienza”

TEACHING AND FORMATION ACTIVITY

- Subject Expert for the Sector FIS/07 (Applied Physics) at University of Messina (Italy);
- Subject Expert for the Sector FIS/03 (Condensed Matter) at University of Messina (Italy);
- External Supervisor of bachelor and master thesis for degree in Physics and Chemistry of University of Messina;
- Supervisor of Research Grants and Fellowships;
- Member of the Board of the Doctorate School in Physics of the University of Messina since 2008 (XXIV cycle);
- Professor of Teaching Modules for the Doctorate Courses in Physics of University of Messina;
- Member of selection boards for the assignment of research grants and fellowships;
- Member of selection board for the admission of the Doctorate courses in Physics, XXV cycle, appointed by Rector’s Decree. n. 3234 of 07/10/2009.

EVALUATION ACTIVITY

- External Referee of Master thesis, Doctorate thesis and Research Projects on behalf of National Research Foundation (NRF-South Africa);
- External Referee of EDGE Fellowship (<https://inomics.com/institution/1297768>) Marie Skłodowska-Curie Actions (Ireland);
- External Referee of Research Projects on behalf of National Science Centre (<https://www.ncn.gov.pl/en/>), Poland;
- External Evaluator of CINECA Scientific Panel for ISCRA and LISA proposals;
- External Referee for the Research Quality Assessments (VQR) of the Italian Universities and Research Institutes;
- Member of the Expert Evaluator Group for Physics of the Italian National Agency for the evaluation of Universities and Research Institutes (ANVUR) for the Research Quality Assessments (VQR 2020 - 2024).

SCIENTIFIC AND PROFESSIONAL EMPLOYMENTS

- Member of the Scientific Council of the Institute for Chemical and Physical Processes from 2008 to 2020 (twelve consecutive years);
- Member of the Open Science Task Force of the National Research Council;
- Member of the “Outreach and Communication” office Institute of the Physical and Chemical Processes;
- Head of the unit of the Scientific Computation Institute for the Institute for Chemical and Physical Processes of Messina headquarter;
- Scientific Coordinator of the Scientific Cooperation Agreement between the Institute for Chemical and Physical Processes (CNR) and the Institute of Biophysics of the Science Academy of the Czech Republic;
- Scientific Coordinator of the Scientific Cooperation Agreement between the Institute for Chemical and Physical Processes (CNR) and the Institut de Minéralogie, de Physique des Matériaux et de Cosmochimie - Faculté de Sciences et Ingénierie de Sorbonne Université of Paris (France);
- Referente del Laboratorio di Fisica Computazionale della Materia (Messina) della Rete Nazionale dei Laboratori di Astrobiologia (ASTROBioLAB): <https://astrobiologia.weebly.com/teams.html>;
- Member of the Steering Committee of the [Italian Society of Astrobiology](#);
- President of the Scientific Committee of the [Italian Society of Astrobiology](#).

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Aggregate Member of the Accademia Peloritana dei Pericolanti (<https://www.accademiapeloritana.it/>);
- Member of the Italian Physical Society (S.I.F.);
- Member of the [Italian Society of Astrobiology](#).

ORGANIZATIONS OF SCIENTIFIC MEETINGS

- Member of the Local Organizer Committee of the NATO-ASI School "New approaches to old and new problems in liquid state theory: inhomogeneities and phase separation in simple, complex and quantum fluids", Patti (Messina) 7 - 17 July 1998;
- Scientific Coordinator for the Messina Headquarters of the Institute for the Chemical and Physical Processes of the event "La Notte del Ricercatore" organized by the University of Messina for the four-year period 2006-2009;
- Committee Member of the local yearly Seminar Series "Appunti di Fisica", the seminars are jointly organized by CNR and University of Messina.
- Organizer of the National Workshop "Appunti di Fisica Teorica", the yearly workshop is jointly organized by CNR-IPCF and University of Messina and deals with all aspects of theoretical physics.
- Chairman of the parallel session of "Molecular liquids in equilibrium and non-equilibrium regimes" of the Conference "FisMat2015" (Palermo, 28th september – 2nd october 2015);
- Member of the Local and Scientific Organizer Committee of the Conference "IPCF 2015" (Sant'Alessio Siculo, Messina, 4th – 6th october, 2015);
- Member of the Scientific Organizer Committee of the Workshop "Atomistic simulations in prebiotic chemistry – a dialog between experiment and theory - CECAM" (Paris, 20th – 22nd june, 2016); <https://www.cecarn.org/workshop-details/371>;
- Member of the Local and Scientific Organizer Committee of the Conference: "L'altra metà del cielo. Le donne in astrofisica: ieri, oggi ... domani" 9th May 2018, Messina;
- Member of the Local Organizer Committee of the Conference: "Dalla Conoscenza alla Valorizzazione: il Ruolo dell'Archeometria nei Musei" 27th – 29th March 2019, Reggio Calabria;
- Member of the Scientific Organizer Committee of the Workshop "Atomistic simulations in prebiotic chemistry – a dialog between experiment and theory - CECAM" (Parigi, 1st – 3rd July, 2019); <https://www.cecarn.org/workshop-details/101>;
- Chair of the Workshop: "Sulle tracce delle origini della vita: dal laboratorio all'esplorazione spaziale". Event for the 100th anniversary of CNR (Messina, 31st May, 2023);
- Member of the Local Organizer Committee of the Meeting: "IPCF Meeting". (Messina, 6th – 8th september, 2023); <https://www.ipcf.cnr.it/it/event/ipcf-meeting>;

REFEREE ACTIVITY

- APS (American Physical Society) PRL, PRE, PRB;
- ACS (American Chemical Society) JPCL, JPCB, Industrial & Engineering Chemistry Research;
- AIP (American Institute of Physics) JCP, Journal of Applied Physics D, AIP Advances;
- RSC (Royal Society of Chemistry) PCCP, Soft Matter;
- Elsevier (Journal of Molecular Liquids);
- Springer: Journal of Solution Chemistry, Central European Journal of Chemistry;
- Taylor & Francis: Molecular Physics, Physics & Chemistry of Liquids;

EDITORIAL ACTIVITY

- Editor on behalf of the Royal Society of Chemistry of the book entitled “Prebiotic Photochemistry: from Miller-Urey experiments to recent findings”, June 2021 – (<https://books.rsc.org/books/edited-volume/911/Prebiotic-Photochemistry-From-Urey-Miller-like>);
- Editor on behalf of MDPI (Applied Sciences) of the Special Issue: “Complexation of Metals in Natural Fluids: Simulations, Experiments and Applications”
- Member of the Editorial Board (Material Physics) of “Materials”; https://www.mdpi.com/journal/materials/sectioneditors/Physics?page_no=4
- Associate Editor of “Frontiers in Physics”, for the section “Physical Chemistry Chemical Physics”; <https://loop.frontiersin.org/people/2052839/overview>

COLLABORATIONS

- Prof. A. M. Saitta, Institute of Mineralogy, Physics of Materials and Cosmochemistry (IMPMC), Sorbona, Parigi (France);
- Prof. Martin Ferus, Departmente of Spectroscopy, J. Heyrovsky Institute of Physical Chemistry (Czech Republic);
- Prof. Jiri Sponer, Masaryk University, Brno, (Czech Republic);
- Prof. Raffaele Saladino, Università della Tuscia, Viterbo (Italy);
- Prof A. Santos, Universidad de Extremadura, Badajoz (Spain);
- Prof. M. Lopez de Haro, Universidad Nacional Autonoma de Mexico, Temixco (Mexico);
- Prof. M. Pochylski, Division of Optics, Department of Physics, Adam Mickiewicz University (Polonia);
- Prof. P. Giaquinta, Dipartimento di Fisica, Università degli Studi di Messina;
- Prof. G. Pastore, Dipartimento di Fisica Teorica, Università degli Studi di Trieste;
- Prof. J.-P. Ryckaert, Unité de Physique des Polymeres, Université Libre de Bruxelles (Belgio);
- Prof. R. Wheatley, Department of Chemistry, University of Nottingham (Regno Unito);
- Prof. Sergey A. Khrapak, Max-Planck-Institut für Extraterrestrische Physik, Garching (Germany).

GRANTS AS PRINCIPAL OR CO-PRINCIPAL INVESTIGATOR

Project Title: EXOChemistry: Life as Universal Event

Period: 2023 - 2024

Funding Entity: Fondi INAF

Total Amount Funds: 49.000 Euro

Project Title: PRIN “Exo-planetary Cloudy Atmospheres and Stellar High energy (Exo-CASH)”

Period: 2023 - 2025

Funding Entity: Ministry of University and Research of Italy

Total Amount Funds: 251.590 Euro

Project Title: Bilateral International Agreement CNR/CAS (Czech Republic) “Exploration of prebiotic synthesis mechanisms in impact craters”

Period: 2022 - 2024

Funding Entity: Czech Academy of Sciences/National Research Council of Italy

Total Amount Funds: 12.000 Euro

PARTECIPATION TO OTHER RESEARCH PROJECTS

Title of the Project: A statistical physics approach to disordered and complex systems - **AFESDeCo**

Period: 2017/2021

Funding Entity: Ministry of Economy and Competitiveness, Spain

Total Amount Funds: 263.800 Euro

Title of the Project: PON “Ricerca e Competitività” 2007-2013, Avviso D.D. 713/Ric. del 29 October 2010 – Asse I – Distretti di alta tecnologia e relative reti. TITOLO III – Creazione di nuovi Distretti e/o nuove aggregazioni Pubblico-Private “*Distretto di Alta Tecnologia per l’innovazione nel settore dei beni culturali della Regione Sicilia (DTBC)*” – **NEPTIS**

Period: 2015/2017

Funding Entity: MIUR/Fondi Strutturali Europei

Total Amount Funds: 3.782.685 Euro

Title of the Project: PON “Ricerca e Competitività” 2007-2013, Avviso D.D. 713/Ric. del 29 October 2010 – Asse I – Distretti di alta tecnologia e relative reti. TITOLO III – Creazione di nuovi Distretti e/o nuove aggregazioni Pubblico-Private “*Distretto di Alta Tecnologia per l’innovazione nel settore dei beni culturali della Regione Sicilia (DTBC)*” – **TECLA**

Period: 2015/2017

Funding Entity: MIUR/Fondi Strutturali Europei

Total Amount Funds: 4.548.699 Euro

Titolo del Progetto: PON “Ricerca e Competitività” 2007-2013, Avviso D.D. 84/Ric. Del 2 March 2012 – Asse II – Sostegno all’innovazione – Obiettivo Operativo – Azioni integrate per lo sviluppo sostenibile e per lo sviluppo della società dell’informazione – Azioni integrate per la società dell’informazione – Azioni integrate per lo sviluppo sostenibile

Period: 2012/2015

Funding Entity: MIUR/Fondi Strutturali Europei

Total Amount Funds: 29.718.389 Euro

Titolo del Progetto: POR FESR Sicilia 2007-2013 - Asse IV, Obiettivo Operativo 4.1.2 Linea di Intervento 4.1.2.A. Innovazione Tecnologica e di Processo per il settore manifatturiero – **INTEP**

Period: 2012/2015

Funding Entity: Regione Sicilia

Total Amount Funds: 10.609 Euro

Titolo del Progetto: PON “Ricerca e Competitività” 2007-2013, Avviso D.D. 713/Ric. del 29 October 2010 – Asse I – Distretti di alta tecnologia e relative reti. TITOLO II – Sviluppo/potenziamento di Distretti ad Alta Tecnologia e di Laboratori pubblico/privati “*Valorizzazione Biomolecolare ed*

Energetica di biomasse residuali del settore Agroindustriale ed Ittico – BIO4BIO

Period: 2012/2015

Funding Entity: MIUR/Fondi Strutturali Europei

Total Amount Funds: 7.530.363 Euro

Titolo del Progetto: POR FESR Sicilia 2007-2013 Misura 4.1.1.1. Fotovoltaico di III° generazione: sviluppo di celle solari sensibilizzate con coloranti estratti da prodotti vegetali siciliani. - **SAGRO**

Period: 2011/2014

Funding Entity: Regione Sicilia

Total Amount Funds: 65.6591 Euro

Titolo del Progetto: PON “Ricerca e Competitività” 2007-2013, Avviso D.D. 84/Ric. Del 2 March 2012 – Asse II – Sostegno all’innovazione – Obiettivo Operativo – Azioni integrate per lo sviluppo sostenibile e per lo sviluppo della società dell’informazione – Azioni integrate per la società dell’informazione – Azioni integrate per lo sviluppo sostenibile **CLUSTER DICET – INMOTO – OR.C.HE.S.T.R.A.**

Period: 2012/2015

Funding Entity: MIUR/Fondi Strutturali Europei

Total Amount Funds: 20.830.995 Euro

Titolo del Progetto: Studio ed analisi sperimentale sul comportamento reologico con campi non omogenei

Period: 2010

Funding Entity: Ministero della Difesa; Signo Motus Srl

Total Amount Funds: 20.000 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2006

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 3.254 Euro

Titolo del Progetto: *POR 2000-2006 Misura 3.15* sottoazione C “Potenziamento delle infrastrutture e laboratori esistenti”. Progetto Tecnologie sensoristiche e sistemi automatici intelligenti per l’innalzamento competitivo delle attività produttive.

Period: 2004/2008

Funding Entity: Fondi Strutturali P.O.R

Total Amount Funds: 360.000 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2005

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 5.740 Euro

Titolo del Progetto: Potenziamento delle reti di ricerca nelle aree depresse. Delibere CIPE 29 December 1995, 8 Agosto 1996, 28 Agosto 1997. Cluster 26 Materiali Innovativi. Metodologie e

diagnostiche per materiali e ambiente.

Period: 2000/2004

Total Amount Funds: 198.000 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2004

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 7.367 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2003

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 6.380 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2002

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 13.225 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2001

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 10.222 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 2000

Funding Entity: Università degli Studi di Messina

Total Amount Funds: 6.334 Euro

Titolo del Progetto: Progetto Materiali, Processi e Dispositivi per Sensoristica Optoelettronica ed Elettronica di Potenza - (FESR N°94.05.09.013/ ARINCO N°94.IT.16.028)

Sottoprogramma II "Ricerca e Innovazione Misura II.1" Centri di Ricerca e Innovazione I Programma Operativo MURST - CNR.

Period: 1994/1999

Funding Entity: FESR

Finanziamento: 560.000 Euro

Titolo del Progetto: Progetto di Ricerca di Ateneo: Fisica Teorica e Computazionale dello Stato Liquido della Materia

Period: 1999

Funding Entity: Università degli Studi di Messina

Finanziamento: 6.628 Euro

Titolo del Progetto: New routes to understanding polymer materials using experiments and realistic modeling – (*Contract No.* : ERB-FMRX-CT98-0176)

<https://cordis.europa.eu/project/id/FMRX980176>

Period: 1998 - 2002

Funding Entity: European Community (EU)

Total Amount Funds: 1.339.000 Euro

PARTECIPATIONS, ORAL COMMUNICATIONS AND POSTER

1. *Workshop on the Liquid State Matter: Opportunities from New Radiation Sources*, Centro Internazionale di Fisica Teorica, Trieste, Italy (19 – 29 July, 1993).
2. *Quarta Scuola Nazionale di Fisica della Materia*, Torino, Italy (2 – 14 October, 1993)
3. *XIII Convegno di Fisica Teorica e Struttura della Materia*, Fai della Paganella (TN), Italy (6 – 10 April, 1994). Poster: “Ordine ed Entropia in una Miscela Binaria di Sfere Rigide”
4. *Quinta Scuola Nazionale di Fisica della Materia*, Torino, Italy- 15 September, 1994)
5. *Sesta Scuola Nazionale di Fisica della Materia*, Torino, Italy (2 – 12 October, 1995)
6. *Workshop on Equilibrium Structures and Phase Transitions in Mesoscopic Dispersions*, Pisa, Italy (20 - 21 October 1995).
7. *XV Convegno di Fisica Teorica e Struttura della Materia*, Fai della Paganella (TN), Italy (30 March – 2 April, 1996). Poster: "Miscele binarie di sfere rigide: proprietà strutturali a bassa densità".
8. *Advances in the Computer Simulations of Liquid Crystals*, NATO-ASI, Erice (TP), Italy (11 – 21 June 1998). Poster: “Entropy and Orientational Order in a Fluid of Hard Spherocylinders”.
9. *New approaches to old and new problems in liquid state theory: inhomogeneities and phase separation in simple, complex and quantum fluids*, NATO-ASI, Patti Marina (ME), Italy (7 – 17 July 1998). Poster: “Fluid-Fluid separation in non-additive hard sphere mixtures: A study of the statistical entropy”.
10. *TMR Meeting; NEWRUP (New Routes for Understanding Polymers)*, Mainz, Germany (11 - 13 February 1999).
11. *TMR Meeting; NEWRUP (New Routes for Understanding Polymers)*, Patras, Grecia (4 - 7 June 1999). Oral Communication: F. Saija, “Molecular Dynamics of an oligomer of Polyisobutylene”.
12. *TMR Meeting; NEWRUP (New Routes for Understanding Polymers)*, Bruxelles, Belgio (20 - 22 December 1999). Oral Communication: F. Saija, “Preliminary results on the local dynamics of Polyisobutylene”.
13. *TMR Meeting; NEWRUP (New Routes for Understanding Polymers)*, Edinburgh, Regno Unito (7 – 9 January 2001).
14. *Scaling Concepts and Complex Systems*, Merida, Yucatan, Mexico (9-14 July 2001). Poster: “Fluid-fluid separation in asymmetric nonadditive mixtures”.
15. *XII Convegno Nazionale della Società Italiana di Spettroscopia Neutronica (SISN)*, Milazzo, Italy, (8-10 November 2001).
16. *XIII Convegno Nazionale della Società Italiana di Spettroscopia Neutronica (SISN)*, Bonn, Germany, (15 May 2002).

17. *ESS European Conference*, Bonn, Germany, (16 – 17 May 2002).
 - a. Poster: “Microgel structure of graft polymer solutions investigated by small angle neutron scattering”;
 - b. Poster: “Chain mobility and ionic diffusion in polymer-salt complexes”.
18. *INFM Meeting 2002*, Bari, Italy, (24 – 28 June 2002). Poster: “Ordering in a fluid of hard spherocylinders: An entropy-based approach”
19. *Computational models for liquid crystals and complex systems – A CECAM Workshop*, Erice (TP), Italy, (13 – 18 July 2002). Poster: “Ordering in a fluid of hard spherocylinders: An entropy-based approach”
20. *Thermodynamics and Statistical Mechanics with industrial applications*, Cambridge, Regno Unito, (9 – 11 April 2003). Oral Communication: D. Costa, F. SAIJA, P. V. Giaquinta “Entropy and Correlations in a Fluid of Aligned Spherocylinders: The Onset of Smectic Order”
21. *INFM Meeting 2004*, Genova, Italy, (8 – 10 June 2004).
 - a. Oral Communication: M. Pieruccini, F. SAIJA “Lattice model for molecular aggregation and correlation in monohydric lower alcohols: Application to the dielectric investigations”;
 - b. Oral Communication: D. Costa, F. SAIJA, P. V. Giaquinta, “Phase transitions in model liquid crystals: An entropy-based Monte Carlo study”;
 - c. Poster: “Brillouin scattering investigations in methanol/CCl₄ mixture: roles of homogeneous and heterogeneous aggregations”;
 - d. Poster: “Brillouin scattering investigations on linear alcohol/CCl₄ mixtures”.
22. *Einstein e la Relatività cento anni dopo*, Messina, Italy, (3 – 5 March 2005). Oral Communication: F. Saija, “Albert Einstein e il moto Browniano”.
23. *MMD Meeting – Matter, Materials and Devices*, Genova, Italy, (22 – 25 June 2005). Poster: “Thermodynamic stability of the fluid-fluid phase separation in binary athermal mixtures”.
24. *6th Liquid Matter Conference*, Utrecht, Netherlands, (2 – 6 July 2005).
 - a. Poster: “High-pressure phase diagram of the exp-6 model: The case of Xe”;
 - b. Poster: “Phase diagram of the Gaussian-core model”.
25. *Symposium in honour of Prof. Michelle Parrinello on the Occasion of his 60th Birthday*, Monte Verità – Ascona, Svizzera (6 – 7 September 2005). Oral Communication: P. V. Giaquinta, R. Esposito, F. SAIJA, A. M. Saitta, “Entropy-based measure of structural order in water”.
26. *XCI Congresso Nazionale Società Italiana di Fisica*, Catania, Italy (26 September – 1 October 2005).
 - a. Oral Communication: F. SAIJA, S. Prestipino, P. V. Giaquinta, “High-pressure phase diagram of the exp-6 model: the case of Xenon”.
 - b. Oral Communication: S. Prestipino, F. SAIJA, P. V. Giaquinta, “Phase diagram of the Gaussian-core model”.
27. *Liquid Systems under Extreme Conditions EMLG/JMLG Annual Meeting*, Barcelona, Spain (3 – 7 September 2006).
 - a. Oral Communication: F. SAIJA, A. M. Saitta, P. V. Giaquinta, T. Strassle, S. Klotz, “Structural anomalies in water: An entropy-based approach”;
 - b. Poster: “Liquid-liquid phase transition in nonadditive model of binary athermal mixtures”;
 - c. Poster: “Excess compressibility in binary liquid mixtures”.

28. *44th EHPRG International Conference*, Praga, Czech Republic (4 – 8 September 2006).
 - a. Oral Communication: “Structure, translational and orientational of amorphous ices”;
29. *Caos e complessità*, Messina, Italy (24 – 26 July 2006).
30. *Appunti di Fisica Teorica, Una giornata con la Fisica Teorica a Messina*, Messina, Italy (1 February 2007). Oral Communication: F. SAIJA, “Un approccio entropico alle anomalie strutturali dell’acqua”.
31. *Mandelbrot e la geometria frattale quaranta anni dopo*, Messina, Italy, (21 – 24 March 2007).
32. *New directions in liquid state theory*, CECAM, Lione, France (2 – 4 July 2007). Oral Communication: D. Costa, G. Munaò, F. SAIJA, C. Caccamo “RISM theory and Molecular Dynamics study of structure and thermodynamics of liquid methanol”.
33. *Fluid phase behaviour and critical phenomena from liquid state theories and simulations*, CECAM, Lione, France (5 – 7 July 2007). Oral Communication: G. Pellicane, F. SAIJA, C. Caccamo, P. V. Giaquinta, “Phase diagram of binary, athermal mixtures: theoretical and simulation results”.
34. *XX Congresso Nazionale GNSR 2007*, Catania, Italy (27 – 29 June 2007). Oral Communication: F. Aliotta, F. SAIJA, R. Ponterio, “Excess thermodynamics properties in liquid binary mixtures”.
35. *SOCOBIM 2007, Soft, Complex and Biological Matter Conference*, Terrasini, Palermo, Italy (15 – 19 July 2007).
 - a. Poster: “Excess thermodynamic properties in mixtures of room temperature ionic liquid and acetonitrile”;
 - b. Poster: “Phase diagram of binary athermal mixtures”;
 - c. Poster: “A Gaussian-core interaction for a liquid-crystal model”.
36. *Thermodynamics 2007*, Rueil-Malmaison, France (26 – 28 September 2007). Oral Communication: F. Aliotta, R. Ponterio, F. SAIJA, “On the origin of excess thermodynamic quantities in liquid mixtures”.
37. *Grid Open Days all’Università di Palermo*, Palermo, Italy (6 – 7 December 2007). Oral Communication: D. Costa, G. Munaò, F. SAIJA, C. Caccamo, “Structural properties of methanol and carbon tetrachloride mixtures: A molecular dynamics study”.
38. *7th Liquid Matter Conference*, Lund, Sweden (27 June – 1 July 2008).
 - a. Poster: “A novel structural approach to the study of order in a molecular fluid”;
 - b. Poster: “Theory a simulation of methanol and carbon tetrachloride mixtures”.
39. *Understanding salvation from liquid to supercritical conditions – EMLG/JMLG*, Lisbona, Portogallo (31 Agosto – 4 September 2008). Poster: F. Aliotta, M. G. Giorgini, F. SAIJA, “Brillouin scattering investigations of liquid crystal ME6N/CCl4 mixtures”.
40. *Dynamical Arrest of Soft Matter and Colloids*, Taormina, Italy (22 – 26 November 2008). Oral Communication: G. Malescio, F. SAIJA, S. Prestipino, “Anomalous melting behavior under extreme conditions: hard matter turning “soft””.
41. *Intermolecular Interactions and Liquid Structure – EMLG/JMLG*, Salisburgo, Austria (6 – 10 September 2009). Comunicazione su invito: F. Aliotta, R. Ponterio, F. SAIJA, J. Gapiński, M. Polchylski, and Z. Blaszcak, “Relaxation Dynamics and Evidence of Scaling Behaviours in Aqueous Polymer Solutions”.
42. *Convegno Italiano sulla Materia ad Alta Pressione*, Roma, Italy (4 - 5 February 2010). Oral Communication: F. SAIJA, “La fusione anomala degli elementi chimici ad alta pressione”.

43. *International Soft Matter Conference*, Granada, Spain (5 - 8 July 2010). Poster: S. Prestipino, F. SAIJA, G. Malescio “Minimal recipe for waterlike anomalies”.
44. *XCVI Congresso Nazionale Società Italiana di Fisica*, Bologna, Italy (20 - 24 September 2010). Oral Communication: F. SAIJA, S. Prestipino, G. Malescio, “Anomalous phase behavior in a model fluid with a single repulsive length scale”.
45. *1° Giornata di Studio del Dottorato di Ricerca in Fisica*, Messina, Italy (10 November 2010). Oral Communication: F. SAIJA, “IPCF-CNR: Research Laboratories of Messina”.
46. *Appunti di Fisica Teorica, Una giornata con la Fisica Teorica a Messina*, Messina, Italy (19 May 2011). Oral Communication: F. SAIJA, “Fusione anomala e anomalie water-like: indicazioni provenienti dallo studio di modelli classici”.
47. *8th Liquid Matter Conference*, Wien, Austria (6 – 10 September 2011).
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