

Curriculum vitae et studiorum of Patrizia Pucci

- **Full Professor in *Mathematical Analysis* since 1987**
- Retired on November 1st, 2022;
- Full professional address **University of Perugia - Department of Mathematics and Computer Sciences**
- Address to which all correspondence by post should be sent **Department of Mathematics and Computer Sciences - Via Vanvitelli, 1 - 06123 Perugia- Italy**
- **Research Impact:**
MR Citation Database: Date, June 30, 2023. Author Citations: Patrizia Pucci Total Publications: 197 cited **5968 times** by **3097 authors** in the MR Citation Database, **h-index 39**

Scopus Citation Database: Date, June 30, 2023. Author Patrizia Pucci ID: 7102345575 Total Documents: 188 total citations **5935** by **3029 documents** in the Scopus Citation Database, **h-index 40**

WoS Citation Database: Date, June 30, 2023. Author Patrizia Pucci Total Publications: 190 Sum of Times Cited **6410** by **3563 Citing Articles** in the WoS Citation Database, **h-index 40**

Selected honors and awards

Since January, 2023 **Socio Fondatore dell'Unione Matematica Italiana**;

Since May 11, 2022 **Honorary Associated Researcher** of the **University of Craiova**, Romania;

Since September 2021 Member of the **External Scientific Advisory Committee** of the **Galician Center for Mathematical Research and Technology (CITMAga)**;

2021 Highly Cited Researcher by Clarivate Analytics;

From April 2021 to December 2022 **Director of the INdAM Research Unit of the University of Perugia**;

2020 Highly Cited Researcher by Clarivate Analytics;

2019 Highly Cited Researcher by Clarivate Analytics;

Since January 2019 **Socio Corrispondente** della Classe di Scienze Fisiche, Matematiche e Naturali dell'**Accademia Peloritana dei Pericolanti**;

2018 Highly Cited Researcher by Clarivate Analytics;

2017 Doctor Honoris Causa in **Mathematics**, awarded by the **Babes Bolyai University of Cluj-Napoca**, Romania;

Since February 2017 **member** of the *Accademia delle Scienze dell'Umbria*;

2016 Doctor Honoris Causa in *Mathematics*, awarded by the *University of Craiova*, Romania;

2004 Prize Prof. Luigi Tartufari for *Mathematics*, awarded by the *Accademia Nazionale dei Lincei*, Rome, Italy;

Deputy Academic Dean of the Science Faculty at the University of Perugia for the period 2009-2013.

In particular

- graduated in July 1971 at the Scientific Lyceum *G. Alessi* of Perugia;
- degree in **Mathematics** on 19-9-1975 at the University of Perugia;
- from 1-9-1975 to 14-5-1976 *scholarship for PhD students* of the *Consiglio Nazionale delle Ricerche*;
- from 15-5-1976 to 31-10-1978 *scholarship* of the *Consiglio Nazionale delle Ricerche* in *Mathematical Analysis*;
- from the a.y.(=academic year) 1975/76 to the a.y. 1977/78 *supervised excercise courses* at the University of Perugia;
- from 1-11-1978 to 29-1-1985 *teacher* of the course *Functional Analysis* at the Science Faculty of the University of Perugia;
- from 1-11-1981 to 29-1-1985 *assistant professor* in *Mathematical Analysis* at the University of Perugia with the course of Mathematical Analysis II (First Two Years in Engineering) given by the Science Faculty of the University of Perugia;
- from 30-1-1985 to 8-5-1987 *associate professor* in *Mathematical Analysis* for the course *Functional Analysis* of the Science Faculty at the University of Perugia;
- from 9-5-1987 to 10-5-1990 *straordinario professor* in *Mathematical Analysis* for the course *Mathematical Analysis II* (Degrees in Matematics and in Physics) of the Science Faculty at the University of Modena;
- from 11-5-1990 to 31-10-1991 *ordinario professor* in *Mathematical Analysis* for the course *Mathematical Analysis II* (Degrees in Mathematics and in Physics) of the Science Faculty at the University of Modena;
- from 1-11-1991 to the a.y 2000/01 *ordinario professor* in *Mathematical Analysis* for the course *Mathematical Analysis II* (Degrees in Mathematics and in Physics) at the Science Faculty of University of Perugia;
- taught as additional course *Superior Analysis* in the a.y. 1988/89 and 1990/91 for the Science Faculty at the University of Modena, and in the a.y. 1998/99 for the Science Faculty at the University of Perugia;

- taught as additional course **Computational Mathematics** in the a.y. 1991/92 for the Computer Science School of the Science Faculty at the University of Perugia;
- taught as additional course **Superior Mathematics** in the a.y. 1992/93 and 1997/98 for the Science Faculty at the University of Perugia;
- taught as additional course **Calculus of Variations** from the a.y. 1993/94 to the a.y. 1996/97 for the Science Faculty at the University of Perugia;
- taught as additional course **Numerical Analysis** in the a.y. 1992/93 and from the a.y. 1997/98 to the a.y. 2000/01 for the Science Faculty at the University of Perugia;
- taught as additional course **Functional Analysis, II Part** in the a.y. 2000/01 and 2001/02 of the Science Faculty at the University of Perugia;
- taught as additional course **Numerical Analysis 2** from the a.y. 2001/02 to the a.y. 2005/06 and from the a.y. 2007/08 to the a.y. 2008/09 for the Science Faculty at the University of Perugia;
- taught as additional course **Mathematics** from the a.y. 2001/02 to the a.y. 2005/06 for the Science Faculty at the University of Perugia;
- taught as additional course **Advanced Mathematics - Part 2** from the a.y. 2002/03 until the a.y. 2004/05 for the Science Faculty at the University of Perugia;
- a.y. 2006/07 *sabbatical year*.
- taught as principal course of the chair **Mathematical Analysis 5** from the a.y. 2005/06 to the a.y. 2006/2007 and from the a.y. 2007/08 to the a.y. 2010/2011 for the Science Faculty at the University of Perugia;
- taught as principal course of the chair **Mathematical Analysis 3** in the a.y. 2009/10 for the Science Faculty at the University of Perugia;
- taught as principal course of the chair **Mathematical Analysis 4** from the a.y. 2001/02 to the a.y. 2006/07, from the a.y. 2008/09 to the a.y. 2010/11 for the Science Faculty at the University of Perugia;
- taught as principal course of the chair **Mathematical Analysis I** from the a.y. 2011/12 to the a.y. 2014/15, for Mathematics first in the Science Faculty and then in the Department of Mathematics and Computer Science of the University of Perugia;
- taught as principal course of the chair **Mathematical Analysis V** from the a.y. 2011/12 to the a.y. 2015/16, for Mathematics first in the Science Faculty and then in the Department of Mathematics and Computer Science of the University of Perugia;
- taught as principal course of the chair **Mathematical Analysis IV** from the a.y. 2012/13 to the a.y. 2020/21, for Mathematics first in the Science Faculty and then in the Department of Mathematics and Computer Science of the University of Perugia;
- taught as principal course of the chair **Functional Analysis** from the a.y. 2016/17 to the a.y. 2021/22, for Mathematics in the Department of Mathematics and Computer Science of the

University of Perugia;

- taught as principal course of the chair **Mathematical Analysis I** from the a.y. 2019/20 to the a.y. 2021/22, for Physics in the Department of Physics and Geology of the University of Perugia;
- contract course **Applied Functional Analysis** for the a.y. 2022/23 for Mathematics in the Department of Mathematics and Computer Science of the University of Perugia.

Editorial Appointments

- Editor in Chief of the journal *Advances in Differential Equations*, together with *Jean Michel Coron* of the Université Pierre et Marie Curie, Paris, and *Yoshikazu Giga* of the University of Tokyo, since August 2016;
- Member of the editorial board of the *Atti Sem. Mat. Fis. Univ. Modena* since January 1988;
- member of the editorial board of the *Electronic Journal of Qualitative Theory of Differential Equations* since November 1997;
- member of the editorial board of the *Communications in Applied Mathematics* since November 1998.
- member of the editorial board of the *International Journal on Differential Equations* since November 1998;
- member of the editorial board of the *Complex Variables and Elliptic equations* since December 2006;
- member of the editorial board of the *Bollettino dell'Unione Matematica Italiana* from February 2008 until December 2013;
- member of the editorial board of the *Studia Mathematica* since March 2010;
- member of the editorial board of the *Advances in Nonlinear Analysis* since February 2011;
- member of the editorial board of the *Nonlinear Analysis A: Theory, Methods & Applications* from January 2012 until December 2020;
- member of the editorial board of the *Advanced Nonlinear Studies* since January 2016;
- member of the editorial board of the *Annals of the University of Craiova - Mathematics and Computer Science Series* since January 2016;
- member of the editorial board of the *Le matematiche* since May 2016;
- member of the editorial board of the *Boundary Value Problems* since May 2017;
- member of the editorial board of the *Boletim da Sociedade Paranaense de Matemática (3)* since December 2017;
- member of the editorial board of the *Opuscula Mathematica* since March 2019;
- member of the editorial board of the *International Journal of Nonlinear Science and Numerical Simulations* from May 2019 to September 2022 (end of the journal and changed name into *Journal of Nonlinear, Complex and Data Science*);
- member of the editorial board of the *Journal of Nonlinear, Complex and Data Science* since October 2022;
- Reviewer for several journals of high scientific level, as: *Advances in Mathematics*, *Archive Rational Mechanics and Analysis*, *Indiana Mathematical Journal*, *Israel Mathematics Journal*, *J. Differential Equations*, *J. Mathematical Analysis and Applications*, *J. of Calculus of Variations and Partial Differential Equations*, *London Mathematical Society*, *Manuscripta Mathematica*, *National Science Foundation*, *Nonlinear Analysis TMA*, *Proceedings of the American Mathematical Society*, *Royal Society of Belgium*, *Royal Society of Edinburgh*, etc.

Invited Scientific Activities

- from 12 to 14-6-2023 invited plenary talk at the International Workshop on ***Nonlinear Partial Differential Equations and Dynamical Systems***, at the *Instituto de Matemática Interdisciplinar* of the *Universidad Complutense de Madrid*, at the invitation of the scientific committee, Proff. J. López Gómez and E. Muñoz Hernández;
- on 12-5-2023 invited talk of the ***Seminari del CdS in Matematica*** of the University of Perugia at the invitation of the scientific committee;
- from 17 to 18-2-2023 invited plenary talk online at the ***2nd International Conference on Emerging Trends in Expert Application and Security***, at the Jaipur Engineering College & Research Centre, India, at the invitation of the scientific committee, Prof. V.S. Rathore (Chair);
- from 3 to 4-11-2022 special guest at the Workshop on ***Recent and New Perspectives in Nonlinear Analysis on the occasion of the retirement of Patrizia Pucci***, at the *Dipartimento di Scienze Pure e Applicate* of the *Università degli Studi di Urbino Carlo Bo* at the invitation of the scientific committee, Proff. R. Aftabizadeh, G. Molica Bisci, D. Mugnai, V. Radulescu, R. Servadei & E. Vitillaro;
- from 19 to 22-9-2022 invited plenary talk at the ***International Workshop on Nonlinear Differential Problems***, at Giardini Naxos, Italy, at the invitation of the scientific committee, Proff. E. Amoroso, G. Bonanno, P. Candito, G. D'Agui, R. Livrea and S.A. Marano;
- from 4 to 8-7-2022 invited plenary talk at the ***Méthodes topologiques en analyse non linéaire: développements récents - Conférence à la mémoire du Professeur Andrzej Granas***, at the Centre de recherches mathématiques of the *Université de Montréal*, Canada, at the invitation of the scientific committee, Proff. H. Ben-El-Mechaiekh, M. Frigon and T. Kaczynski;
- on 4-7-2022 invited talk online at the ***Portugal-Italy Conference on Nonlinear Differential Equations and Applications***, at the University of Évora, Portugal, at the invitation of the scientific committee, Proff. H. Beirão da Veiga, F. Minhós, L. Sanchez Rodrigues and N. Van Goethem;
- from 22 to 23-6-2022 invited plenary talk in presence at the Summer School in ***Nonlinear Analysis with a special tribute to Patrizia Pucci on the occasion of her 70th birthday***, at the *Università della Tuscia*, Viterbo, at the invitation of the scientific committee, Proff. A.M. Candela, F. Dalbono, G. Fragnelli, D. Mugnai and K. Perera;
- from 28 to 29-5-2022 invited plenary talk online at the international workshop on ***Advances in Nonlinear Analysis and PDEs***, at the Shandong University of Science and Technology, China, at the invitation of the scientific committee, Proff. Z. Bai, L. Chen, Y. Cui, H. Dong, S. Xi and B. Zhang;
- on 20-4-2022 invited talk at the ***Accademia delle Scienze dell'Umbria*** at Perugia at the invitation of the President Prof. G. Mantovani;
- from 14 to 16-2-2022 invited plenary talk online at the international ***UFSCar Workshop on PDEs 2022***, at the *Universidade Federal de São Carlos*, Brazil, at the invitation of the scientific committee, Proff. A. Szulkin, B. Sirakov, D. de Figueiredo, E. Teixeira, E. Moreira dos Santos, J.M. do Ó, M. Del Pino and O.H. Miyagaki;
- on 27-1-2022 talk online at the event ***UnipgOrientaExpress*** at the University of Perugia;
- on 11-12-2021 invited talk online at the ***College of Mathematical Sciences***, Harbin Engineering University, China, at the invitation of Prof. R. Xu;
- on 6-11-2021 invited talk online at the ***International forum on nonlinear analysis and its applications***, on the occasion of the 70th anniversary of the Civil Aviation University of China, Tianjin, China, at the invitation of Prof. M. Xiang;
- on 29-10-2021 invited talk online at the ***School of Mathematics and Statistics***, Central South University, Changsha, China, at the invitation of Proff. X. Tang & D. Qin;
- from 6 to 8-10-2021 invited talk online at the ***9th GAMM-Workshop on Analysis of Partial***

- Differential Equations**, Albert–Ludwigs–Universität Freiburg, Germany, at the invitation of the scientific committee, Proff. P. Dondl & A. Maione;
- on 22-9-2021 invited talk online at the **Seminário de EDP e Matemática Aplicada**, at the invitation of the scientific committee, Proff. M. Rincon, M. Souza, S. Malta, M. Cavalcanti, R. Lopez & R. Almeida;
 - from 9 to 10-9-2021 invited talk online at the **8th International Conference on Mathematics and Informatics**, at the Sapientia Hungarian University of Transylvania, Hungary, at the invitation of the scientific committee, Proff. Cs. Farkas, D. Iclanzan and Z. Kása;
 - on 12-7-2021 invited plenary talk at the international **Special Session of the MCA 2021, Recent progress in nonlinear PDEs and their applications**, at the invitation of the scientific committee, Proff. L. Del Pezzo, A. Fiscella, J. Terra and J.V. da Silva;
 - from 5 to 10-7-2021 invited plenary talk at the international **Seminar series on Differential Equations online**, at the Indian Institute of Technology Jodhpur, India, at the invitation of the scientific committee, Proff. Tuhina Mukherjee and Abhishek Sarkar;
 - on 10-5-2021 invited plenary talk at the **Giornata in ricordo di Domenico Candeloro**, at the University of Perugia, at the invitation of the scientific committee;
 - from 17 to 19-2-2021 invited plenary talk at the international **UFSCar - Summer Webinar on PDEs**, at the Universidade Federal de São Carlos, Brazil, at the invitation of the scientific committee, Proff. A. Szulkin, B. Sirakov, D. de Figueiredo, E. Teixeira, J.M. do Ó and M. Del Pino;
 - on 12-2-2021 invited plenary talk at the **Webinar Series on Nonlinear Differential Problems 2021** at the invitation of the scientific committee, Proff. G. Bonanno, P. Candito, G. D'Agui, R. Livrea and S.A. Marano;
 - from 1 to 3-6-2020 invited plenary talk at the international workshop on **Singular problems associated to quasilinear equations** to celebrate the 70th birthday of Marie-Françoise Bidaut-Véron and Laurent Véron co-hosted by the Masaryk University, Czech Republic, and the ShanghaiTech University, Shanghai, China, taken place over Zoom, at the invitation of the scientific committee, Proff. Q.-H. Nguyen and P.-T. Nguyen;
 - on 11-2-2020 invited talk at the event **Donne in Scienza** at the University of Perugia at the invitation of the scientific committee, Proff. E. Albertini, M. Damiani, M. Pica and M. Tosti;
 - from 9 to 13-12-2019 invited plenary talk at the **China-Italy Conference on Partial Differential Equations and Their Applications** at Fudan University, Shanghai, China, at the invitation of the scientific committee, Proff. A. Bressan, H. Beirao da Veiga, L. Hsiao and T. Li;
 - from 30-11 to 1-12-2019 invited plenary talk at the **Incontro su Variational methods, with applications to problems in mathematical physics and geometry on the occasion of the 75th birthday of Professor Antonio Ambrosetti**, at the invitation of the scientific committee, Proff. M. Berti, V. Coti Zelati and A. Malchiodi;
 - on 15-11-2019 invited keynote speaker at the Workshop on **Topological & Variational Methods for Nonlinear Problems in honor pf Professor Diego Aversa** at the University of Palermo at the invitation of the scientific committee, Proff. R. Livrea and E. Tornatore;
 - from 11 to 12-10-2019 invited plenary talk at the **the Elsevier - JMAA Conference on Nonlinear Analysis on the Occasion of the 65th Birthday of Professor Dusan Repovs** at the AGH University of Science and Technology in Krakow, Poland, at the invitation of the scientific committee;
 - on 27-6-2019 invited plenary talk at the **MATHS BITES TRENTO** at the *Università di Trento*, at the invitation of Prof. A.M. Alonso Rodriguez;
 - from 15-5 to 15-6-2019 visiting professor in Changsha, P.R. China, at the *Central South University* at the invitation of Profesor X.H. Tang and and visited and delivered pleantry talks: from 24 to 26-5-2019 at the Harbin Engineering University in Harbin invited by Prof. R. Xu, from 28 to 30-5-2019 at the Huaihua University in Huaihua invited by Prof. X. Lin, on

31-5-2019 at the Hunan University of Commerce in Changsha invited by Prof. J. Zhang, from 1 to 3-6-2019 at the Xiangnan University in Chenzhou invited by Prof. F. Liao, from 3 to 5-6-2019 at the Guangzhou University in Guangzhou invited by Prof. Z. Zhou, from 9 to 13-6-2019 in Chongqing invited by Prof. L. Li and delivered lectures at the Central South University invited by Prof. L. Li, at the Southwest University invited by Prof. W. Chen and at the Chongqing Jiaotong University invited by Prof. J. Zhang ;

- from 24 to 26-5-2019 invited top expert at *The National High-level Forum on Mathematics and Applied Mathematics and the Inauguration Ceremony of the College of Mathematical Sciences* of the *Harbin Engineering University* in Harbin, P.R. China, at the invitation of Profesor R. Xu;
- from 18 to 19-5-2019 invited plenary two talks at the international ***2nd Workshop on Nonlinear Analysis and Applications*** at the *Central South University* in Changsha, P.R. China, at the invitation of Profesor X.H. Tang;
- from 7 to 8-2-2019 invited plenary talk of the international RISM workshop ***Advances and Challenges in Nonlinear Elliptic Systems*** at the Riemann International School of Mathematics in Varese, at the invitation of the scientific committe, Proff. D. Cassani, H. Tavares and J. Zhang;
- from 10 to 14-9-2018 invited plenary talk of the international conference ***Nonlinear Analysis and PDEs*** at the University of Campania *Luigi Vanvitelli*, at the invitation of the scientific committe, Proff. I. Ianni, B. Pellacci, and G. Vaira;
- from 5 to 9-7-2018 honorary member of the *Global Organizing Committee*, organizer of the section *SS80 Modern Topics in nonlinear PDEs and applications*, together with A. Fiscella and B. Zhang, and invited speaker at the SS60 and SS93 Sessions of the 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications held at the University of Tawain in Tapei, at the invitation of the scientific committee;
- from 26 to 27-6-2018 invited plenary talk of the international conference ***Szeged Dynamics Days, on the occasion of the 75th Birthday of Laszlo Hatvani*** at the Bolyai Institute, University of Szeged, Regional Center of the Hungarian Avademy of Sciences, at the invitation of the scientific committe, Proff. T. Krisztin, A. Dénes, J. Karsai and G. Röst;
- from 28 to 30-5-2018 invited plenary talk and main organizer of the international conference ***Recent Advances in Nonlinear Analysis, on the occasion of the 60th Birthday of Vicentiu Radulescu*** at CIRM in Levico Terme at the invitation of the scientific committe, Proff. H. Beirao da Veiga, M. Ghergu, P. Pucci, D. Repovs, P. Secchi, R. Serapioni and A. Valli;
- from 22 to 25-5-2018 invited plenary talk and chairman at the ***Cologne Conference on Positivity and Differential Equations on the occasion of Guido Sweers' sixtieth birthday*** at the *Mathematisches Institut* of the *Universität zu Köln*, Germany, at the invitation of the scientific committe, Proff. D. Horstmann and B. Kawohl;
- from 12 to 16-2-2018 special guest at the workshop ***Variational Methods in Analysis, Geometry and Physics*** at *Scuola Normale Superiore*, with one morning dedicated to the 65th birthday of Patrizia Pucci, at the invitation of the scientific committe, Proff. D. Bartolucci, B. Franchi, A. Malchiodi, D. Mugnai, F. Pacella, S. Secchi and G. Verzini;
- from 11 to 12-1-2018 special guest at the workshop ***Two Nonlinear Days in Perugia on the occasion of Patrizia Pucci's 65th birthday*** at the *Dipartimento di Matematica e Informatica*, University of Perugia, at the invitation of the scientific committe, Proff. G. Fragnelli, D. Mugnai and M.C. Salvatori;
- from 18 to 20-9-2017 invited plenary talk at the ***4th Conference on Recent Trends in Nonlinear Phenomena***, presso l'Accademia Peloritana dei Pericolanti dell'Università degli Studi di Messina, at the invitation of the scientific committee Proff. R. Aftabizadeh, G. Molica Bisci, G. Anello, F.D. Cammaroto, L. D'Onofrio, F. Oliveri, R. Servadei, R. Di Salvo and M. Gorgone;
- from 7 to 9-9-2017 invited plenary talk at the ***III Workshop on Trends in Nonlinear Analysis, in honor of Stella Piro-Vernier's 70th birthday***, Università degli Studi di Cagliari, at the invitation of the scientific committee Proff. A. Iannizzotto, M. Marras and G. Viglialoro;

- from 24 to 28-7-2017 invited plenary talk at the ***Scuola Estiva di Matematica per Docenti della Scuola Secondaria di Secondo Grado*** of the Mathethis, at the invitation of the President Prof. E. Ambrisi and of Prof. M. Fioroni;
- from 14 to 16-7-2017 invited plenary talk at the ***2nd international Workshop on Nonlinear Analysis and Its Applications*** at the *Heilongjiang Institute of Technology* at the invitation of the scientific committee Proff. X. Guo, Z. Su and B. Zhang;
- from 8 to 22-7-2017 visiting professor in Harbin, P.R. China, at the *Harbin Engineering University* at the invitation of Professor R. Zu, at the *Heilongjiang Institute of Technology* at the invitation of Profesor B. Zhang and at the *Harbin Institute of Technology* at the invitation of Profesor Y. Fu, where delivered 5 pleantry talks;
- from 6 to 7-7-2017 invited plenary talk at the international conference ***Two nonlinear days in Urbino 2017*** at the *Dipartimento di Scienze di Base e Fondamenti* of the *Università di Urbino*, Italy, at the invitation of the scientific committee Proff. V. Ambrosio, A.E. Kogoj, G. Molica Bisci and R. Servadei;
- on 19-6-2017 invited plenary talk at the ***Giornata di Analisi Matematica*** at the *Università di Trieste*, at the invitation of Prof. E. Mitidieri;
- from 12 to 15-6-2017 invited plenary talk at the international conference ***New Trends on Calculus of Variations and PDE's with a special tribute to Paolo Marcellini*** at the *Università di Firenze* and Montecatini, at the invitation of the scientific committee Proff. J. Ball, E. Mascolo, G. Cupini, M. Focardi and E. Paolini;
- from 24 to 28-5-2017 visiting professor of the *Universitatea Babeș-Bolyai* in Cluj-Napoca at the invitation of the Rector, Prof. I.-A. Pop and on 26-5-2017 ceremony of the conferment of the degree of *Doctor Honoris Causa* from the *Universitatea Babeș-Bolyai*, with laudatio of Professor Radu Precup;
- from 25 to 27-5-2017 special guest at the ***Workshop on Nonlinear Analysis on the Occasion of the 65th Birthday of Patrizia Pucci*** at the *Universitatea Babeș-Bolyai*, in Cluj-Napoca at the invitation of the scientific committe, Proff. R. Precup and C. Varga;
- on 11-11-2016 member of the Habilitation Committee of Professor Hannelore Lisei at the Faculty of Mathematics and Computer Science of the *Universitatea Babeș-Bolyai*, in Cluj-Napoca at the invitation of the Dean, Prof. A. Petrusel;
- from 11 to 15-10-2016 visiting professor of the *University of Craiova*, at the invitation of the Rector, Prof. C. Spinu and on 12-10-2016 ceremony of the conferment of the degree of *Doctor Honoris Causa* from the University of Craiova, with laudatio of Professor Vicentiu Radulescu;
- from 6 to 8-10-2016 invited plenary talk at the international conference ***Research meeting on non-local operators*** at the *Università di Cagliari*, at the invitation of the scientific committee Proff. A. Iannizzotto, E. Valdinoci and G. Viglialoro;
- from 7 to 8-7-2016 invited plenary talk at the international conference ***Two nonlinear days in Urbino 2016*** at the *Dipartimento di Scienze di Base e Fondamenti* of the *Università di Urbino*, Italy, at the invitation of the scientific committee Proff. M. Carletti, F. Ferrari and R. Servadei;
- from 20 to 24-6-2016 invited plenary talk at the ***1st international conference on Variational Methods and PDEs, on the occasion of Filomena Pacella's 60th birthday*** at Cogne, Valle d'Aosta, at the invitation of the scientific committee Proff. M. Grossi, A. Malchiodi and S. Terracini;
- from 22-1 to 24-2-2016 visiting professor at the *Department of Mathematics* of the ***City University of Hong Kong***, Kowloon, Hong Kong, at the invitation of Prof. P. Ciarlet;
- from 4 to 6-11-2015 invited plenary talk at the international ***2nd Conference on Recent Trends in Nonlinear Phenomena*** at the *Università degli Studi di Napoli Parthenope*, at the invitation of the scientific committee Proff. R. Aftabizadeh, R. Bartolo, L. D'Onofrio, M. Ferrara, G. Molica Bisci, R. Servadei;
- from 24 to 26-9-2015 main speaker at the international ***Second Workshop on Trends in***

Nonlinear Analysis at the *Dipartimento di Matematica* of the *Università di Cagliari*, Italy, at the invitation of the scientific committee Proff. S. Piro Vernier, A. Iannizzotto, M. Marras, F. Ragnedda;

- from 14 to 17-7-2015 invited 40 minutes talk at the international **Conference on Nonlinear Operators, Differential Equations and Applications** at the *Universitatea Babeş-Bolyai*, in Cluj-Napoca, Romania, at the invitation of the Organizers Proff. R. Precup, A. Petrusel, A. Buica, M.-A. Serban and S. Andras;
- from 2 to 3-7-2015 main speaker at the international **Two nonlinear days in Urbino** at the *Dipartimento di Scienze di Base e Fondamenti* of the *Università di Urbino*, Italy, at the invitation of the scientific committee Proff. D. Abriani, R. Lupini and R. Servadei;
- from 8 to 14-2-2015 main speaker at the international **Mini-worskop on Discrete p-Laplacians: Spectral Theory and Variational Methods in Mathematics and Computer Science** at the *Mathematisches Forschungsinstitut* in Oberwolfach, Germany, at the invitation of the scientific committee Proff. M. Hein, D. Lenz and D. Mugnolo;
- from 5 to 7-11-2014 main speaker at the international symposium **Recent Trends on Nonlinear Phenomena** at the *University Mediterranea* at Reggio Calabria, Italy, at the invitation of the scientific committee Proff. R. Aftabzadeh, G. Molica Bisci, R. Bartolo, M. Ferrara and R. Servadei;
- from 7 to 11-7-2014 honorary member of the *Global Organizing Committee* and invited speaker at the SS21 and SS34 Sessions of **the 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications** held at the ICMAT of Madrid, Spain, at the invitation of the scientific committee;
- on 13 June 2014 main speaker at the international symposium **A Meeting with Louis Nirenberg** organized by the *Riemann International School of Mathematics* from 10 to 13 June 2014 at the *Villa Toeplitz*, Varese, Italy, at the invitation of the scientific committee Proff. H. Beirão da Veiga, D. Cassani and B. Ruf;
- from 10 to 11 June 2014 main speaker at the **International Symposium on Applied Analysis** in Honour of the 65th Birthday of *Michel Chipot* and his retirement at the University of Zurich, Switzerland, at the invitation of the scientific committee Proff. B. Brighi, A. Rougirel and S. Sauter;
- from 28 to 30 May 2014 main speaker and organizer of the international workshop on **Recent Trends in Nonlinear Partial Differential Equations and Applications** - Npde 2014 - on the occasion of the 60th birthday of *Enzo Mitidieri* at the University of Trieste, Italy, at the invitation of the scientific committee Proff. L. D'Ambrosio, D. Del Santo, F. Gazzola, J. Lopez-Gomez, P. Omari and myself;
- from 20 to 24-1-2014 delivered six lectures at the *School on Nonlinear Elliptic Problems*, at the Department of Mathematics of the University of Milano **Bicocca** at the invitation of the scientific committee Proff. G. Molica Bisci, S. Secchi and R. Servadei ;
- from 14 to 16-11-2013 main speaker at the **SNP Meeting/IMA PI Conference: Mathematics and Mechanics in the Physical Sciences, A Tribute to James Serrin**, at the Campus of the University of Minnesota, Minneapolis, USA, at the invitation of the scientific committee Proff. R. Fosdick, C.-S. Man and P.J. Olver;
- from 4 to 5-10-2013 main speaker and chairman at the **2° Weekend su Metodi Variazionali ed Equazioni Differenziali** in Reggio Calabria, Italy, at the invitation of the scientific committee Proff. G. Bonanno, P. Candito, G. D'Agui and S. A. Marano;
- from 5 to 10-9-2013 visiting professor and member of the Habilitation Committee of Professor Alexandru Kristaly at the Faculty of Mathematics and Computer Science of the *Universitatea Babeş-Bolyai*, in Cluj-Napoca at the invitation of the Dean, Prof. A. Petrusel;
- from 23 to 26-7-2013 delivered an invited lecture at the international SMI summer school **Non Local Equations of Elliptic Type** at Palazzone in Cortona, Italy, at the invitation of the scientific

- committee Proff. L. De Michele and E. Valdinoci;
- from 19 to 21-6-2013 delivered an invited lecture at the international conference *Nonlinear Elliptic and Parabolic Partial Differential Equations* at Politecnico di Milano, Italy, at the invitation of the scientific committee Proff. F. Gazzola and G. Grillo;
 - from 28 to 31-5-2013 delivered an invited lecture and chairman at the international meeting *Geometrical Methods in PDE's: INdAM Meeting in occasion of the 70th birthday of Ermanno Lanconelli* at Cortona, Italy, at the invitation of the scientific committee;
 - on 27-5-2013 delivered lecture at the *5th Women in Mathematics Summer School on Mathematical Theories towards Environmental Models* at the **International Centre for Theoretical Physics**, Miramare, Trieste, Italy, at the invitation of the scientific committee;
 - from 22 to 24-10-2012 invited address at the *50th meeting of the Society of Natural Philosophy on New materials and new problems in Continuum Mechanics* at the University of Udine at the invitation of the scientific committee Proff. C. Davini, A. Di Carlo and R. Paroni.
 - from 25 to 30-9-2012 visiting professor of the *Institut für Mathematik - Angewandte Mathematik - Universität Zürich*, at the invitation of Prof. M. Chipot and given an invited lecture;
 - on 21-9-2012 delivered lecture at the *James Serrin Memorial* organized by the **Department of Mathematics – University of Minnesota**, Minneapolis, U.S.A., at the invitation of Prof. P. Olver;
 - on 13-6-2012 invited lecture at the Mathematical Institut of the *Universitatea Babeş-Bolyai*, in Cluj-Napoca at the invitation of Prof. R. Precup;
 - on 6-6-2012 invited lecture at the **Seminario di Matematica** of the *Università di Bari* at the invitation of Prof. D. Fortunato;
 - from 28-5 to 1-6-2012 special guest at the **Workshop on Nonlinear Partial Differential Equations on the occasion of the sixtieth birthday of Patrizia Pucci** in Perugia at *Dipartimento di Matematica e Informatica* of the University of Perugia, at the invitation of the scientific committee: Proff. J. Serrin (Chairman), A. Ambrosetti, L. Boccardo, H. Brezis, F. Gazzola, E. Lanconelli, E. Mitidieri, F. Pacella, S. Pohozaev, V. Radulescu and M. Rigoli, and of the organizing committee, Proff.: D. Candeloro, R. Filippucci, D. Mugnai, M.C. Salvatori, G. Vinti and E. Vitillaro;
 - on 7-10-2011 invited guest at the **Simposio di Analisi Matematica in occasione dei 70 anni di Sergio Spagnolo** in Pisa at the *Dipartimento di Matematica Leonida Tonelli*;
 - from 16 to 27-8-2011 visiting professor at the **Department of Mathematics – University of Minnesota**, Minneapolis, U.S.A., for scientific collaboration with with Prof. J. Serrin and Prof. H. Weinberger at the invitation of Prof. J. Serrin;
 - from 4 to 12-7-2011 visiting professor of the Mathematical Institut of the *Universitatea Babeş-Bolyai*, in Cluj-Napoca at the invitation of Prof. C. Varga and delivered an invited lecture and chairman at the *International Conference on Nonlinear Operators, Differential Equations and Applications -ICNODEA 2011* at Cluj-Napoca from 5 to 8-7-2011 at the invitation of the scientific committee;
 - from 20 to 22-1-2011 coordinator of the Joint meeting of the research projects *Variational and perturbative methods for nonlinear differential equations* in Venice, at the invitation of the Honorary director Prof. A. Ambrosetti and the Scientific directors Proff. A. Malchiodi and S. Terracini.
 - from 3 to 17-7-2010 visiting professor of the Mathematical Institut of the *Universitatea Babeş-Bolyai*, in Cluj-Napoca at the invitation of Prof. C. Varga and delivered an invited lecture and chairman at the international conference on *Non Euclidean Geometry and its Applications* at Cluj-Napoca from 5 to 9-7-2010 at the invitation of the scientific committee;
 - from 3 to 6-6-2010 coordinator of the special session *Entire solutions of quasilinear elliptic inequalities* at the **Second Meeting of Women of the Laplacian**, at Monopoli, Italy, at the invitation of the scientific committee: Proff. S. Cingolani, M. Clapp and A. Pistoia;
 - on 4-12-2009 invited lecture at *Giornata di Analisi Nonlineare* at the *Università di Bari* at the

- invitation of Prof. L. D'Ambrosio;
- from 12 to 18-9-2009 invited lecture at the international intensive period on *Regularity for non-linear pdes*, at the **Centro di Ricerca Matematica Ennio De Giorgi** della Scuola Normale Superiore di Pisa, at the invitation of Prof. G.R. Mingione;
 - from 14 to 31-8-2009 visiting professor at the **Department of Mathematics – University of Minnesota**, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of Prof. J. Serrin;
 - from 17-6 to 1-7-2009 visiting professor at the **Bolyai Institute of the University of Szeged**, Hungary, at the invitation of Prof. L. Hatvani;
 - from 25 to 29-5-2009 invited lecture at the international *6th European Conference on Elliptic and Parabolic Problems*, at Gaeta at the invitation of Proff. Brighi, Brillard, Chipot, Corbo Esposito, Mingione, Sbordone, Shafir, Valente and Vergara Caffarelli;
 - on 21-5-2009 invited lecture at the international *Conference on Recent Trends in Nonlinear Partial Differential Equations and Applications* at the University of Trieste at the invitation of Prof. E. Mitidieri;
 - from 15 to 20-9-2008 visiting professor of the *Institut für Mathematik - Angewandte Mathematik - Universität Zürich*, at the invitation of Prof. M. Chipot and given an invited lecture;
 - from 10 to 12-9-2008 attended the international conference *Nonlinear Differential Equations, A Tribute to the work of Patrick Habets & Jean Mawhin on the occasion of their 65th birthdays*, and invited chairman of the last session, at the *Académie Royale de Belgique*, Brussels, Belgium;
 - from 11 to 13-6-2008 lecture at the international INdAM conference *First Meeting of Women of the Laplacian*, at Cortona, Italy, at the invitation of the scientific committee: Proff. S. Cingolani, M. Esteban, A.M. Micheletti, F. Pacella and S. Terracini;
 - from 19 to 23-5-2008 lecture and chairman of a session at the international INdAM conference *Liouville Theorems and Detours*, at Cortona, Italy, at the invitation of the scientific committee: Proff. E. Lanconelli, E. Mitidieri, S. Pokhozhaev and A. Tertikas;
 - from 25 to 28-6-2007 lecture and chairman of a session at the *International Conference Eighth Colloquium on the Qualitative Theory of Differential Equations* at the **Bolyai Institute of the University of Szeged**, Hungary, at the invitation of Prof. T. Krisztin;
 - from 18 to 22-6-2007 invited lecture at the *Joint International Meeting UMI-DMV 2007*, at the Special Session 11 *Nonlinear Partial Differential Equations*, at Perugia, Italy, at the invitation of the scientific committee: Profs. F. Gazzola and H.-C. Grunau;
 - from 18-3 to 6-4-2007 visiting professor at the **Department of Mathematics – University of Minnesota**, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of J. Serrin;
 - from 29-6 to 1-7-2006 invited lecture at the *International Symposium su Problemi attuali dell'Analisi e della Fisica Matematica, Dedicated to the Memory of Professor Gaetano Fichera on his 10th Death Anniversary* at the Hotel Villa Diodoro at Taormina at the invitation of the scientific committee: Proff. H. Begehr, A. Cialdea, R.P. Gilbert, G. Hsiao, G. Jaiani, A. Laforgia, M. Lapidus, V.G. Maz'ya, F. Nicolosi, P.E. Ricci, C. Sbordone, W.L. Wendland;
 - from 25 to 28-6-2006 opening plenary invited lecture at the *6th AIMS international Conference on Dynamical Systems, Differential Equations and Applications* at the *Université de Poitiers*, Francia, invitation of the scientific committee: Proff. Shouchuan Hu (Chair), A. Ambrosetti, J. Bona, M. Chipot, T. Hou, Tatsien Li, C. Liverani, H. Matano, A. Miranville, W.-M. Ni, J. Sprekels, R. Temam;
 - from 22 to 24-6-2006 visiting professor at Paris at the invitation of Prof. F. Murat and on 23-6 invited lecture at the *Séminaire de Mathématiques Appliquées - Chaire d'Equations aux Dérivées Partielles et Applications Professeur Pierre-Louis Lions* at the *Collège de France* in Paris;
 - from 19 to 21-6-2006 invited lecture at the *Incontro Italia-Spagna di Equazioni Differenziali* at

- the *Dipartimento di Matematica "G. Castelnuovo"* of the University of Roma "La Sapienza" at the invitation of Proff. L. Boccardo and X. Cabré of the scientific committee;
- from 30 to 31-5-2006 invited lecture at *Convegno in onore del Prof. Mauro Boni* at the *Dipartimento di Matematica Pura e Applicata "G. Vitali"* of the University of Modena at the invitation of Prof. A. Gavioli of the scientific committee;
 - from 9 to 26-1-2006 visiting professor at the *Department of Mathematics – University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of J. Serrin;
 - from 1 to 3-9-2005 invited lecture at the international workshop *Nonlinear Elliptic and Parabolic Problems, II*, at Grado, Italy, at the invitation of the scientific committee: Profs. F. Gazzola and E. Mitidieri;
 - from 8 to 29-8-2005 visiting professor at the *Department of Mathematics – University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of J. Serrin; and one hour talk at the *PDE Seminar* on 24th August at the invitation of W. Littman;
 - from 6 to 8-6-2005 plenary lecture at the conference *Nonlinear Partial Differential Equations and Applications* of the University of Tours, France, at the invitation of the scientific committee Proff. G. Barles and L. Véron;
 - from 18-3 to 2-4-2005 visiting professor at the *Department of Mathematics – University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of Prof. J. Serrin;
 - on 11-12-2004 plenary lecture at the conference *Terzo Convegno Annuale del Dipartimento di Matematica e Informatica* of the University of Perugia, at the invitation of the scientific committee;
 - from 31-10 to 7-11-2004 visiting professor of the *Institut für Analysis und Numerik* and on 4 November delivered one hour talk at the *Fakultätskolloquium of the Fakultät für Mathematik of the Otto-von-Guericke-Universität zu Magdeburg*, Germany, at the invitation of Prof. H.-Ch. Grunau;
 - from 13 to 21-10-2004 visiting professor and on 15 October delivered the opening conference for the a.y. 2004/2005 of *the Seminario de ecuaciones y matemática aplicada of the Departamento de Matemáticas of the Univesidad Autónoma de Madrid*, Spain, at the invitation of Prof. J.L. Vázquez;
 - on 25-8-2004 lecture at the *Special Seminars of SMI*, "Scuola Matematica InterUniversitaria", at the Department of Mathematics of the University of Perugia, at the invitation of the Head of the School Prof. L. De Michele;
 - from 20-6 to 5-7- 2004 visiting professor at the *Department of Mathematics – University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of the head Prof. L. Gray; and one hour talk at the international workshop *New Developments in Nonlinear Partial Differential Equations*, from 23 to 25-6-2004 at the invitation of the scientific committee: Proff. J. Serrin, P. Pucci and F. Gazzola;
 - on 6-5-2004 lecture at the *Seminario Matematico e Fisico di Milano dell'Università di Milano*, at the invitation of the Head, Prof. C.D. Pagani;
 - from 1 to 4-4-2004 given a lecture at the *International Workshop of Technological Aspects of Mathematics II - on the occasion of the 60th birthday of Prof. D. Trigiante*, at Montecatini Terme, at the invitation of scientific committee;
 - from 7 to 14-2-2004 visiting professor and given two lectures at the *Dipartimento di Matematica e Applicazioni dell'Università di Palermo*, at the invitation of Profs. D. Averna and B. Bongiorno;
 - on 26-11-2003 given a lecture at the *Dipartimento di Matematica "U. Dini" dell'Università di Firenze*, at the invitation of Profs. A. Colesanti and G. Talenti;

- from 14 to 18-7-2003 lecture and chairman of a session at the *International Conference Seventh Colloquium on the Qualitative Theory of Differential Equations* at the *Bolyai Institute of the University of Szeged*, Hungary, at the invitation of Prof. T. Krisztin;
- from 8 to 13-9-2003 lecture and chairman of a session at the XVII Congresso U.M.I., Milano, Italy;
- from 22-10 to 5-11-2003 visiting professor of the Institut fur Mathematik - Angewandte Mathematik - of the Universitat zu Zurich, at the invitation of Prof. M. Chipot and given a lecture at the Seminar uber Analysis of Profs. H. Amann e M. Chipot;
- from 9 to 11-1-2003 lecture at the conference *Giornate Nonlineari* at the *Dipartimento di Matematica "G. Castelnuovo" of the Università di Roma "La Sapienza"*, Italy, at the invitation of Profs. M. Grossi and F. Pacella;
- from 27 to 28-9-2002 lecture at the conference *Primo Convegno Annuale del Dipartimento di matematica e Informatica*, of the *University of Perugia*;
- from 2 to 4-9-2002 three invited lectures at the international workshop *Stationary and evolution equations*, at Grado, Italy, at the invitation of Profs. A. Ambrosetti, E. Mitidieri and M. Prizzi;
- from 24 to 28-6-2002 talk at the *Symposium on Partial Differential Equations, to celebrate the 75th birthday of James Serrin* at the University of Perugia, Italy, at the invitation of the scientific committee, Profs. A. Ambrosetti, H. Brezis, L.A. Peletier and P. Pucci;
- from 20-12-2001 to 21-1-2002 visiting professor of the *Departemento de Matematica of the Pontificia Universidad Catholica de Chile*, at Santiago, at the invitation of Prof. M. Garcia-Huidobro;
- from 5 to 25-11-2001 visiting professor at the *Department of Mathematics of the University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of the head Prof. N.C. Jain; and one hour talk at the *Symposium on Partial Differential Equations, to celebrate the 75th birthday of James Serrin* from 8 to 11-11-2001, at the invitation of the scientific committee, Profs. A. Ambrosetti, H. Brezis, W. Littman, N. Meyers, and P. Pucci;
- from 18 to 21-9-2001 lecture at the international conference *Linear and nonlinear hyperbolic equations*, at Grado, Italy, at the invitation of Profs. F. Colombini, D. Del Santo and E. Mitidieri;
- from 20 to 28-8-2001 visiting professor at the *Department of Mathematics of the University of Minnesota*, Minneapolis, U.S.A., for scientific collaboration with Prof. J. Serrin at the invitation of the head Prof. N.C. Jain;
- from 9 to 10-3-2001 lecture at the international conference *A week-end in Nonlinear Analysis* at the *Università di Roma 2, Tor Vergata*, at the invitation of Profs. M. Matzeu, F. Pacella and G. Tarantello;
- from 1 to 10-9-2000 visiting professor at the *Mathematisches Institut der Universität Bayreuth*, Germany, at the invitation of Prof. H.-C. Grunau;
- from 8 to 20-1-2000 visiting professor at the *Universidad de Chile at Santiago*, at the invitation of Prof. R. Manásevich, and lecture at the *USA-Chile Workshop on Nonlinear Analysis* from 10 to 14-1-2000 at the Universidad Federico Santa Maria at Vina del Mar;
- from 1 to 11-10-1999 visiting professor at the *Mathematisches Institut der Universität Bayreuth*, Germany, at the *Mathematischen Kolloquium* at the invitation of Profs. H.-C. Grunau and W. Müller;
- from 13 to 18-9-1999 short communication at the *XVI Congresso of the Unione Matematica Italiana*, held at the *Università degli Studi di Napoli "Federico II"*;
- from 10 to 14-8-1999 lecture and chairman of a section at the international conference *Sixth Colloquium on the Qualitative Theory of Differential Equations* at *Bolyai Institute of the University of Szeged*, Hungary, at the invitation of Prof. L. Hatvani;
- from 10 to 25-7-1999 visiting professor at Shanghai, China, and from 13 to 16-7-1999 one hour lecture and chairman of a section at the international conference *Applied Partial Differential*

- Equations* at the **Tongji University** at the invitation of Prof. Lishang Jiang, and then visiting professor at Fudan University at the invitation of Prof. Li Ta-Tzien;
- from 1 to 4-6-1999 lecture and also a report on the scientific activities at **Giornate di Analisi Nonlineare** at **SISSA of Trieste** at the invitation of Profs. A. Ambrosetti and G. Vidossich;
 - on 31-3-1999 lecture at the seminar **Calcolo delle Variazioni ed Equazioni alle Derivate Parziali** at the **Dipartimento di Matematica "U. Dini"** of the **Università di Firenze** at the invitation of Profs. P. Marcellini, E. Mascolo and M. Romito;
 - from 15 to 17-10-1998 invited at the second international symposium on **Problemi attuali dell'Analisi e della Fisica Matematica, in memory of Gaetano Fichera**, at Taorminia, at the special invitation of Prof. P.E. Ricci, member of the scientific committee;
 - on 23-9-1998 lecture in memory of C. Vinti at **Giornata in Onore di Calogero Vinti, at the international conference Analisi Reale e Teoria della Misura**, at Maiori, at the invitation of Prof. P. de Lucia;
 - from 15 to 18-6-1998 visited and lecture at the **Dipartimento di Matematica at the Università di Pavia** at the invitation of Prof. A. Torelli;
 - from 19 to 21-2-1998 report of scientific activities at the **Convegno 40%** in Montecatini, Italy, at the invitation of Prof. A. Fasano;
 - in the period January-April 1998 a course on Mathematical Analysis, Stability and blow-up for evolution equations at the invitation of the Scientific Committee of the **Istituto di Alta Matematica "F. Severi"** and of the **PhD Program in Mathematics** of the **Università di Napoli**;
 - from 19-12-1997 to 13-1-1998 visiting professor at the **Departemento de Ingenieria Matematica** of the **Universidad de Chile**, in Santiago, at the invitation of the Group **Reaction Diffusion** by Profs. P. Felmer e R. Manásevich;
 - from 1 to 5-8-1997 lecture at the International Conference **Differential Equations and Dynamical Systems**, held at the **University of Waterloo**, Canada, at the invitation of Prof. D. Siegel;
 - from 20 to 31-7-1997 research activity and lecture at the **Department of Mathematics** of the **University of Minnesota**, Minneapolis, U.S.A., at the invitation of Prof. J. Serrin;
 - from 16 to 19-7-1997 research activity and lecture at the **Department of Mathematics** of **Iowa State University**, Ames, U.S.A., at the invitation of Prof. H.A. Levine;
 - on 4-6-1997 lecture at the **Intensive Quarter on Variational Problems and Applications** at the **University of Napoli**, at the invitation of Profs. A. Alvino, L. Carbone and C. Sbordone;
 - from 25 to 28-5-1997 lecture at the International Conference **Equazioni Differenziali Ordinarie** held at Bressanone at the invitation of Prof. A. Cellina;
 - from 25 to 26-3-1997 lecture at the **Workshop on Applied Functional Analysis and Partial Differential Equations** at the **Department of Mathematics** of the **University of Delft**, The Netherlands, at the invitation of Profs. Ph. Clément and C.A. Stuart;
 - on 12-2-1997 lecture at the **Department of Computer Science** of the **University of Rome I, "La Sapienza"**, at the invitation of Prof. F. Facchinei;
 - from 29-7 to 2-8-1996 lecture and chairman of a session at the International Conference **Fifth Colloquium on the Qualitative Theory of Differential Equations** at the **Bolyai Institute of the University of Szeged**, Hungary, at the invitation of Prof. L. Hatvani;
 - from 8 to 15-2-1996 research activity in Madrid, Spain, at the **Universidad Autonoma** and lecture at the **Jornada de Ecuaciones en Derivadas Parciales**, at the invitation of Prof. I. Peral;
 - from 2 to 7-10-1995 lecture and chairman of a session at the International Conference on **Reaction Diffusion Systems**, held at the **University of Trieste**, at the invitation of Profs. G. Caristi, E. Mitidieri and K.P. Rybakowski;
 - from 18 to 30-9-1995 a course on **Lyapunov Stability for Second Order Differential Systems and for Evolution Equations in Banach Spaces**, together with **Prof. J. Serrin**, at the **XX Summer School on Mathematical Physics held in Ravello**, at the invitation of Profs. S. Rionero

and V. Boffi;

- from 11 to 16-9-1995 chairman of a session of *Nonlinear Analysis* at the *XV Congresso UMI*, held at Padova, at the invitation of the scientific committee of the *Unione Matematica Italiana* (=UMI) and gave a short communication;
- from 11-3-1995 to 15-6-1995 research activity at the *Department of Mathematics* of the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. J. Serrin, and weekly seminars on *Critical Point Theory and Calculus of Variations* at the invitation of Prof. E. Fabes;
- from 26 to 27-1-1995 lecture at the International Conference on *Giornate sulle Equazioni Differenziali*, held at the *University of Trieste*, at the invitation of Prof. E. Mitidieri;
- from 19 to 21-12-1994 lecture at the Italian-Spanish meeting on *Nonlinear Analysis and PDE's*, held at the *University of L'Aquila*, at the invitation of Profs. I. Herrero, L. Boccardo, P. Marcati and A. Tesei;
- from 26 to 29-7-1994 chairman of a session at the International Conference *Nonlinear Differential Equations and Applications - in memory of Juliusz Schauder*, held at *Torun* and *Warsaw*, Poland, at the invitation of Prof. A. Granas;
- on 17-6-1994 lecture at the *Department of Mathematics* of the *University of Palermo*, at the invitation of Prof. Giannelli;
- from 3 to 7-8-1993 lecture at the International *Conference Differential Equations*, held at the *Ohio University*, Athens, U.S.A., at the invitation of Prof. R. Aftabizadeh;
- from 5-7-1993 to 7-9-1993 research activity at the *Department of Mathematics* of the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. J. Serrin;
- from 19 to 21-5-1993 two lectures at the *Department of Mathematics* of the *Università della Calabria*, at the invitation of Prof. R. Chiappinelli;
- on 8-3-1993 lecture at the *Department of Mathematics* of the *Università di Roma I, "La Sapienza"*, at the invitation of Prof. L. Boccardo;
- on 25-10-1991 lecture at the International Conference *Giornata di studio in ricordo dei soci: Emilio Baiada e Lamberto Cesari*, held at the *Accademia Nazionale di Scienze Lettere e Arti* of the *University of Modena*, at the invitation of Prof. G. Gemignani;
- on 21-5-1991 lecture at the *University of Michigan*, Ann Arbor, U.S.A., in the *Colloquium of Prof. J. Smoller*;
- from 17-5-1991 to 18-5-1991 lecture at the International Conference *Degenerate Diffusions*, held at the *Institute for Mathematics and its Applications*, of the *University of Minnesota*, Minneapolis, U.S.A., *on the occasion of the 65th birthday of Prof. James Serrin*, at the invitation of Profs. W.-M. Ni, L.A. Peletier e J.L. Vazquez;
- from 6-5-1991 to 4-6-1991 research activity at the *Institute for Mathematics and its Applications* of the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. A. Friedman;
- on 23-8-1989 lecture at the Workshop on *Nonlinear Diffusion Equations and their Equilibrium States*, held at the *Gregynog Center of the University College of Wales*, Great Britain, at the invitation of Profs. J. Serrin, L.A. Peletier and W.-M. Ni;
- from 22-7-1989 to 29-7-1989 research activity at the *University of Michigan*, Ann Arbor, U.S.A., at the invitation of Prof. L. Cesari;
- from 16-6-1989 to 16-8-1989 research activity at the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. J. Serrin;
- from 1-6-1989 to 15-6-1989 research activity at the *Institute for Mathematics and its Applications* of the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. A. Friedman;
- in May 1989 four lectures at the *Department of Mathematics* of the *Università di Bologna* at the invitation of Prof. E. Lanconelli;

- in March 1988 lecture at the *Mathematics Department* of the *Università di Torino* at the invitation of Prof. B. Franchi;
- in October 1987 lecture at the Workshop on *Nonlinear Differential Equations*, held at the *University of Leiden*, The Netherlands, at the invitation of Profs. M. Bertsch and L.A. Peletier;
- in October 1985 lecture at the *University of Michigan*, Ann Arbor, U.S.A., at the invitation of Prof. L. Cesari in the Seminar of Prof. J. Smoller;
- from 1-7-1985 to 30-9-1985 research activity at the *University of Minnesota*, Minneapolis, U.S.A., at the invitation of Prof. J. Serrin;
- in November 1982 lecture at the *University of Köln*, Germany, at the invitation of Prof. N.W. Bazley;
- in November 1982 lecture at the *University of Louvain-La-Neuve*, Belgium, at the invitation of Prof. J. Mawhin;
- from 13-8-1980 to 1-11-1980 research activity at the *University of Michigan*, Ann Arbor, U.S.A., at the invitation of Prof. L. Cesari.

Organization of International Conferences

- from 29 to 31 May 2023 organized the international conference *Analysis and PDEs*, at the *Riemann International School of Mathematics* in Varese together with H. da Veiga and D. Cassani;
- on June 18, 2021 organized the online conference *Workshop on PDEs and Applications*, together with D. Mugnai and R. Servadei;
- on May 10, 2021 organized the online conference *Giornata in Ricordo di Domenico Candeloro*, together with C. Bardaro, A.R. Sambucini and G. Vinti;
- on March 26, 2021 organized the online workshop on *Eredità di Lamberto Cesari nella costruzione di nuove sinergie scientifiche*, together with V. Gusella, M. Pagliacci, S. Pecetti, F. Todisco, A. Salvadori, L. Vergori and G. Vinti;
- from 3 to 5 February 2020 organized the workshop on *Nonlinear PDEs and Applications* on the occasion of the retirement of Professor Maria Cesarina Salvatori, together with A. Lupica and D. Mugnai;
- from 11 to 12-10-2019 member of the scientific committee of the *Elsevier - JMAA Conference on Nonlinear Analysis on the Occasion of the 65th Birthday of Professor Dusan Repovš* at the AGH University of Science and Technology in Krakow, Poland, together with V. Radulescu (Chair), P. Cojuhari and P. Oprocha;
- from 5 to 9-7-2018 honorary member of the *Global Organizing Committee* and organizer of the section *SS80 Modern Topics in nonlinear PDEs and applications*, together with A. Fiscella and B. Zhang, in the 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications held at the University of Tawain in Tapei;
- from 28 to 30 May 2018 organized the international conference *Recent Advances in Nonlinear Analysis on the occasion of the 60th Birthday of Vicentiu Radulescu*, at Levico Terme, Trento, Italy, together with H. Beirão Da Veiga, M. Ghergu, P. Secchi, R. Serapioni and A. Valli;
- from 23 to 24 February 2017 organized the conference *Two-day meeting on PDEs*, at the University of Perugia, Italy, together with M.C. Salvatori;
- from 30 January to 3 February 2017 organized the international conference *James SERRIN: from His legacy to the new frontiers*, at the University of Perugia, Italy, together with A. Farina and E. Valdinoci;
- from 28 to 30 September 2016 organized as *Honorary Chairwoman* the international *3rd Conference on Recent Trends in Nonlinear Phenomena*, at the University of Perugia, Italy, together with R. Aftabizadeh, R. Bartolo, L. D'Onofrio, G. Molica Bisci, M. Ferrara and R. Servadei;

- the 13th January 2016 organized the international conference ***Una Giornata sulle Equazioni Ellittiche Nonlineari***, at the University of Perugia, Italy, main speakers Proff. X. Cabré (Univ. Pol. de Catalunya, Barcelona, Spain), R. Servadei (Univ. Urbino), G. Molica Bisci (Univ. Reggio Calabria), A. Fiscella (Univ. Estadual de Campinas, IMECC, Brasile);
- from 28 to 30 May 2014 organized the international workshop on ***Recent Trends in Nonlinear Partial Differential Equations and Applications*** - Npde 2014 - on the occasion of the 60th birthday of *Enzo Mitidieri* at the University of Trieste, Italy, together with L. D'Ambrosio, D. Del Santo, F. Gazzola, J. Lopez-Gomez and P. Omari;
- 13th December 2008 organized the international conference ***Conferenze Scientifiche di Analisi Matematica***, Omaggio a *Calogero Vinti* at the University of Perugia, Italy, together with C. Bardaro, D. Candeloro, A. Martellotti, A.R. Sambucini and G. Vinti;
- from 25 to 26 June 2008 organized the international workshop on ***Partial Differential Equations***, on the occasion of the 80th birthday of *James Serrin* at the University of Perugia, Italy, together with A. Ambrosetti (Honorary Chairman) and E. Vitillaro;
- from 10 to 14 January 2005 organized the international Symposium ***Variational Methods and Nonlinear Differential Equations, on the occasion of the 60th birthday of Antonio Ambrosetti***, at the University of Rome 3, together with: Prodi (Honorary Chairman), H. Brezis, V. Coti Zelati, I. Ekeland, M. Girardi, L. Nirenberg, I. Peral, P. Pucci, P. Rabinowitz, J. Serrin.
- from 23 to 25 June 2004 organized the international workshop ***New Developments in Nonlinear Partial Differential Equations***, at the University of Minnesota, Minneapolis, U.S.A., together with J. Serrin and F. Gazzola;
- from 2 to 4 September 2003 organized the international INdAM workshop ***Nonlinear Partial Differential Equations and connected Geometrical Problems***, at Grado, Italy, together with Profs. A. Ambrosetti, E. Mitidieri and R. Musina;
- from 24 to 28 June 2002 organized the international conference ***Symposium on Partial Differential Equations, to celebrate the 75th birthday of James Serrin***, at the University of Perugia, together with Profs. A. Ambrosetti, H. Brezis and L.A. Peletier;
- from 8 to 11 November 2001 organized the international conference ***Symposium on Partial Differential Equations, to celebrate the 75th birthday of James Serrin***, at Minneapolis, U.S.A., together with Profs. A. Ambrosetti, H. Brezis, W. Littman and N. Meyers;
- from 9 to 11 November 2000 organized the international conference ***Analisi Nonlineare*** at Perugia, together with A. Ambrosetti and E. Vitillaro;
- on 19 September 1998 organized a ***Giornata in Ricordo di Calogero Vinti*** at Perugia together with C. Bardaro, D. Candeloro, A. Martellotti and G. Vinti;
- from 30 September to 4 October 1996 organized the International Conference ***Conferenze in Onore di Calogero Vinti*** at Perugia together with C. Bardaro, P. Brandi and D. Candeloro;
- from 26 to 30 October 1992 organized the ***International Conference in honor of James B. Serrin*** in Ferrara, together with G. Buttazzo, G.P. Galdi and E. Lanconelli;

Coordinator of the following scientific projects since 1997

- National coordinator (PI) of the ***Progetto biennale del MIUR - PRIN 2022 Advanced theoretical aspects in PDEs and their applications*** and then passed to the vice PI G. Molica Bisci, for my retirement,
- Local coordinator of the Progetto di Ricerca annuale INdAM, GNAMPA 2020 ***Equazioni alle derivate parziali: problemi e modelli***, collaborators: ***R. Filippucci, A. Fiscella, G. Molica Bisci, D. Mugnai, S. Secchi, R. Servadei and E. Vitillaro***, University of Perugia,
- Local coordinator of the Progetto di Ricerca annuale INdAM, GNAMPA 2018 ***Problemi non lineari alle derivate parziali***, collaborators: ***M. Caponi, R. Filippucci, L. Mari, M. Marras, S. Secchi, S. Piro Vernier and E. Vitillaro***, University of Perugia,

- Local coordinator of the Progetto di Ricerca annuale INdAM, GNAMPA 2017 ***Equazioni Differenziali non lineari***, collaborators: ***M. Caponi, R. Filippucci, L. Mari, M. Marras, D. Mugnai, S. Piro Vernier, E. Vitillaro***, University of Perugia,
- Local coordinator of the Progetto triennale del MIUR - PRIN 2015 ***Variational methods, with applications to problems in mathematical physics and geometry***, national coordinator ***A. Malchiodi***, Scuola Normale Superiore, Pisa;
- Local coordinator of the Progetto triennale del MIUR - PRIN 2011 ***Variational and perturbative aspects of nonlinear differential problems***, national coordinator ***S. Terracini***, University of Torino,
- Local coordinator of the Progetto biennale del MIUR - PRIN 2009 ***Variational Methods and Nonlinear PDEs***, national coordinator ***A. Malchiodi***, SISSA Trieste,
- Progetto Internazionale Triennale 2007-2009, to the agreement on CNR/MTA - Perugia/Szeged - Pucci/Hatvani - Italy/Hungary - italian collaborators: R. Filippucci, G. Fragnelli, I. Gerace, N. Guglielmi, D. Mugnai, M.C. Salvatori; hungarian collaborators: L. Hatvani, J. Karsai, T. Krisztin, T. Krisztin, G. Röst, G. Makay, M. Polner..
- Progetto biennale Ex 40% MIUR 2006 ***Quasilinear Elliptic Problems and related questions*** collaborators: R. Filippucci, D. Mugnai, M.C. Salvatori, R. Servadei, E. Vitillaro, G. Autuori, E. Calzolari, R. Pandolfi, S. Patrizi e C. Solla;
- Progetto Internazionale Triennale 2004-2006, to the agreement on CNR/MTA - Perugia/Szeged - Pucci/Hatvani - Italy/Hungary - italian collaborators: R. Filippucci, G. Fragnelli, I. Gerace, N. Guglielmi, D. Mugnai, M.C. Salvatori, E. Vitillaro; hungarian collaborators: L. Hatvani, J. Karsai, T. Krisztin, G. Röst, J. Terjeki.
- Progetto biennale Ex 40% MIUR 2004 ***Quasilinear Elliptic Problems and related questions*** collaborators: R. Filippucci, M.C. Salvatori, P. Antonini, G. Autuori, E. Calzolari and R. Pandolfi;
- Progetto di Ricerca annuale INdAM, GNAMPA 2003 ***Equazioni Differenziali Non Lineari***, participants: A. Ambrosetti, G. Arioli, M. Badiale, E. Berchio, M. Berti, P. Caldiroli, G. Caristi, L. D'Ambrosio, V. Felli, A. Ferrero, R. Filippucci, F. Gazzola, E. Mitidieri, D. Mugnai, R. Musina, V. Pata, A. Pomponio, M. Prizzi, M.C. Salvatori, G. Sanchini, S. Secchi, M. Squassino and E. Vitillaro.
- Progetto biennale Ex 40% MIUR 2002 ***Quasilinear Elliptic Problems and related questions*** collaborators: R. Filippucci, M.C. Salvatori, E. Vitillaro, B. Acciaio, R. Pandolfi and G. Sanchini;
- Progetto biennale Ex 40% MURST 2000 ***Problemi ellittici quasilineari e questioni collegate*** collaborators: R. Filippucci, E. Montefusco, M.C. Salvatori, E. Vitillaro;
- Progetto di Ateneo 1999 (until October 2002) ***Analisi Non Lineare*** collaborators: D. Candeloro, C. Bardaro, A. Boccuto, F. Centrone, L. Faina, R. Filippucci, M.C. Isidori, G. Leoni, I. Mantellini, A. Martellotti, M.C. Salvatori, A.R. Sambucini, S. Sciamannini, G. Vinti, E. Vitillaro;
- Progetto Vigoni 1999 ***Problemi agli autovalori ellittici semilineari*** collaborators: A. Boccuto, F. Gazzola, E. Vitillaro;
- Progetto di Ateneo 1998 ***Analisi Non Lineare*** collaborators: D. Candeloro, C. Bardaro, A. Boccuto, F. Centrone, L. Faina, R. Filippucci, M.C. Isidori, G. Leoni, I. Mantellini, A. Martellotti, M.C. Salvatori, A.R. Sambucini, S. Sciamannini, G. Vinti, E. Vitillaro;
- Progetto Vigoni 1998 ***Problemi agli autovalori ellittici semilineari*** collaborators: A. Boccuto, R. Filippucci, F. Gazzola, G. Leoni, M.C. Salvatori, E. Vitillaro;
- Contributi C.N.R. 1998 ***Modelli e Metodi per la Matematica e l'Ingegneria*** collaborators: C. Bardaro, G. Vinti, G. Leoni, I. Mantellini, M.C. Salvatori, E. Vitillaro, R. Filippucci;
- Ex 40% MURST 1998 ***Analisi Non Lineare*** collaborators: G. Leoni, M.C. Salvatori, E. Vitillaro;
- Contributi C.N.R. 1997 ***Modelli e Metodi per la Matematica e l'Ingegneria*** collaborators: C. Vinti, D. Candeloro, C. Bardaro, A. Martellotti, G. Vinti, A. Boccuto, L. Faina, G. Leoni, M.C. Salvatori, A.R. Sambucini, E. Vitillaro, R. Filippucci, M.C. Isidori, I. Mantellini, B. Brunone, E. Cardelli, G. Tomasicchio;
- Ex 60% MURST 1997 ***Analisi Non Lineare e Sistemi di Equazioni Differenziali*** collaborators: R. Filippucci, G. Leoni, M.C. Salvatori, E. Vitillaro.

Participant of the following scientific projects

- Progetto di Ricerca annuale INdAM, GNAMPA 2016 *Problemi variazionali su varietà Riemanniane e gruppi di Carnot*, coordinator: **G. Molica Bisci**, University of Reggio Calabria,
- Progetto di Ricerca annuale INdAM, GNAMPA 2015 *Modelli ed equazioni non--locali di tipo frazionario*, coordinator: **G. Molica Bisci**, University of Reggio Calabria,
- Progetto di Ricerca annuale INdAM, GNAMPA 2014 *Nonlinear differential problems with non standard growth*, coordinator: **G. D'Agù**, University of Messina,
- Progetto di Ricerca annuale INdAM, GNAMPA 2010 *Evolution equations in pure and applied sciences*, coordinator: **E. Vitillaro**, University of Perugia,
- Progetto di Ricerca annuale INdAM, GNAMPA 2002 *Equazioni Differenziali Non Lineari di Tipo Ellittico e Parabolico*, coordinator: **E. Mitidieri**, University of Trieste, participants: A. Ambrosetti, G. Arioli, M. Berti, L. Biasco, G. Caristi, L. D'Ambrosio, V. Felli, A. Ferrero, R. Filippucci, F. Gazzola, A. Malchiodi, A. Pomponio, M. Prizzi, P. Pucci, E. Sassone, S. Secchi, E. Vitillaro.
- Progetto di Ricerca annuale INdAM, GNAMPA 2002 *Equazioni Differenziali Non Lineari di Tipo Ellittico e Parabolico*, coordinator: **E. Mitidieri**, University of Trieste, participants: A. Ambrosetti, G. Arioli, M. Berti, L. Biasco, G. Caristi, L. D'Ambrosio, V. Felli, A. Ferrero, R. Filippucci, F. Gazzola, A. Malchiodi, A. Pomponio, M. Prizzi, P. Pucci, E. Sassone, S. Secchi, E. Vitillaro.

PHD STUDENTS FROM 2002

- R. Filippucci, Università degli Studi di Firenze 2002;
- G. Autuori, Giuseppina, Università degli Studi di Firenze 2010;
- F. Colasuonno, Università di Bari 2012;
- S. Saldi, Università degli Studi di Firenze 2017;
- S. Bordoni, Università degli Studi di Firenze 2018;
- L. Temperini, Università degli Studi di Firenze, 2022.

Professional Responsibilities in the last ten years

- From October 1997 to December 2022 member of the Collegio dei Docenti del Dottorato di Ricerca in matematica, administration at the University of Florence;
- From 1997 until 2019 founding member of *Centro Studi Interfacoltà Lamberto Cesari*;
- From 1998 to 2001 member of the Giunta del Dipartimento di Matematica e Informatica of the University of Perugia;
- From 2000 to 2002 member of the Consiglio della SSIS of the Facoltà di Scienze della Formazione of the University of Perugia;
- from November 2001 to October 2002 president of the CCL in Matematica of the University of Perugia;
- in the years 2002-2005 and 2006-2009 member of scientific committee of Area Matematica of the University of Perugia;
- From November 2011 until November 2021 president of the CCL in Matematica of the University of Perugia;
- Since 2011 member of the *Revisori per la Valutazione* di progetti per conto del Ministero dell'Istruzione, dell'Università e della Ricerca e per la valutazione dei prodotti della ricerca (VQR 2004-2010 e VQR 2011-2014) per conto dell'ANVUR;

- From the a.y. 2013/14 member of the **Commissione Dipartimentale per l'ANVUR**;
- From 1st November 2013 until 30 October 2016 member of the **Commissione Paritetica per la Didattica** of the Dipartimento di Matematica e Informatica of the University of Perugia;
- In the a.y. 2012/13 president of the **PAS A059**, with a course of 12 hours at the *Università degli Studi di Perugia*;
- In the a.y. 2011/12 president of the **TFA A059** and of the **TFA A049**, with 2 courses of 24 hours, at the *Università degli Studi di Perugia*;
- In the a.y. 2013/14 member of the **commissione di ammissione** of the above TFA and of the **TFA A047**, at the *Università degli Studi di Perugia*;
- In the a.y. 2014/15 president of the **TFA A059** and of the **TFA A049**, with 2 courses of 24 hours, at the *Università degli Studi di Perugia*;
- In June 2016 Jury Member of the *Thèse de Doctorat de mathématiques on Equations polyharmoniques sur les variétés et études asymptotiques dans une équation de Hardy-Sobolev* by **Saikat Mazumdar** at the *Université de Lorraine, France*;
- From July 2019 to December 2022 member of the board of the **Centro di Ricerca Interdipartimentale Lamberto Cesari**;
- In November 2020 Jury Member of the *Doctoral School of Exact Sciences and their Applications on Fine properties of solutions for quasi-linear elliptic and parabolic equations with non-local and non-standard growth* by **Rakesh Arora** at the *Université de Pau et des Pays de l'Adour, France*;
- In February 2021 Jury Member of the *Dottorato di Ricerca in Scienze Matematiche on Global gradient bounds for solutions of prescribed mean curvature equations on Riemannian manifolds* by **Giulio Colombo** and on *Equilibrium, systemic risk measures and optimal transport: a convex duality approach* by **Alessandro Doldi** at the *Università degli Studi di Milano*.
- From February to June 2023 Jury Member of the *Full Professor Position in Mathematical Analysis* at the *Faculty of Science of the Utrecht University*.

Perugia, June 30, 2023

List of publications of Patrizia Pucci

229. **P. Pucci**, *A brief excursus on mixed operators in peridynamics*, in preparation, pages 7.
228. **S. Liang, P. Pucci and X. Sun**, *Normalized solutions for Schrödinger equations with the L^2 -subcritical and L^2 -supercritical cases on the Heisenberg group*, in preparation, pages 22.
227. **F. Cluni, V. Gusella, D. Mugnai, E. Proietti Lippi and P. Pucci**, *Spectral properties for mixed peridynamical problems*, in preparation, pages 17.
226. **P. Pucci, L. Wang and B. Zhang**, *Bifurcation and existence of the logarithmic Schrödinger-Poisson system with the indefinite critical exponential nonlinearity in R^2* , in preparation, pages 32.
225. **E. Amoroso, A. Crespo-Blanco, P. Pucci and P. Winkert**, *Superlinear elliptic equations with unbalanced growth and nonlinear boundary condition*, submitted for publication, pages 32.
224. **T. Mukherjee, P. Pucci and L. Sharma**, *Nonlocal critical exponent singular problems with mixed Dirichlet-Neumann boundary conditions*, submitted for publication, pages 29.
223. **B. Ge and P. Pucci**, *Differential inclusion obstacle problems with variable exponents and convection terms*, submitted for publication, pages 19.
222. **P. Pucci, L. Wang and B. Zhang**, *Bifurcation and regularity analysis of the Schrödinger-Poisson equation*, submitted for publication, pages 22.
221. **P. Pucci**, *An overview on some nonlinear evolution problems*, in the book *Advances in Nonlinear Evolution Equations*, eds. M.A. Ragusa & P. Vetro, Springer, pages 31.
220. **P. Pucci and L. Wang**, *The Brézis-Nirenberg equation for the (m,p) Laplacian in the whole space*, *Discrete Contin. Dyn. Syst. Ser. S, Special Issue New Trends of Nonlinear Partial Differential Equations on the occasion of the 65th birthday of Professor Vicentiu D. Radulescu*, pages 20, doi: 10.3934/dcdss.2023068.
219. **F. Cluni, V. Gusella, D. Mugnai, E. Proietti Lippi and P. Pucci**, *A mixed operator approach to peridynamics*, *Math. Eng., Special Issue: PDEs and Calculus of Variations - Dedicated to Giuseppe Mingione, on the occasion of his 50th birthday*, **5** (2023) Paper No. 082, pages 22.
218. **J. Liu and P. Pucci**, *Existence of weak solutions for a double phase variable exponent equation without the Ambrosetti-Rabinowitz condition*, *Adv. Nonlinear Anal.* **12** (2023), pp. 18.
217. **P. Pucci**, *Multiple solutions for eigenvalue problems involving the (p,q) -Laplacian*, *Stud. Univ. Babeş-Bolyai Math., Special Issue in Memory of Professor Csaba Varga*, **68** (2023), 93-108.
216. **P. Pucci and L. Temperini**, *On the concentration-compactness principle for Folland-Stein spaces and for fractional horizontal Sobolev spaces*, *Math. Eng.* **5** (2023), Special Issue: *The interplay between local and nonlocal equations - dedicated to the memory of Professor Ireneo Peral*, Paper no. 007, 21 pp.
215. **S. Liang, P. Pucci and B. Zhang**, *Existence and multiplicity of solutions for a class of critical*

nonlocal equations with variable exponents, Appl. Anal., pages 26,
10.1080/00036811.2022.2107916, <https://www.tandfonline.com/doi/full/10.1080/00036811.2022.2107916>.

214. **E. de S. Böer, O.H. Miyagaki and P. Pucci**, *Existence and multiplicity results for a class of Kirchhoff-Choquard equations with a generalized sign-changing potential*, Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl., Special Issue: dedicated to the memory of Professor Antonio Ambrosetti, **33** (2022), 651-675.
213. **P. Pucci and L. Temperini**, *Critical equations with Hardy terms in the Heisenberg group*, Rend. Circ. Mat. Palermo, Special Issue *Nonlinear Analysis & its Synergies*, **71** (2022), 1049-1077.
212. **P. Pucci and Y. Ye**, *Existence for critical Kirchhoff-Poisson systems in the Heisenberg group*, Adv. Nonlinear Stud., **22** (2022), 361-371.
211. **S. Liang and P. Pucci**, *Multiple solutions for critical Kirchhoff-Poisson systems in the Heisenberg group*, Appl. Math. Lett. **127** (2022), Paper No. 107846, pages 7.
210. **P. Pucci and L. Temperini**, *Entire solutions for some critical equations in the Heisenberg group*, Opuscula Math., Special Issue *Advances in Nonlinear Partial Differential Equations*, eds W. Majdak, V. Radulescu, R. Xu & B. Zhang, **42** (2022), 279-303.
209. **B. Ge and P. Pucci**, *Quasilinear double phase problems in the whole space via perturbation methods*, Adv. Differential Equations **27** (2022), 1-30.
208. **P. Pucci and L. Temperini**, *Existence for singular critical exponential (p, Q) equations in the Heisenberg group*, Adv. Calc. Var. **15** (2022), 601-617.
207. **T. Mukherjee, P. Pucci and M. Xiang**, *Combined effects of singular and exponential nonlinearities in fractional Kirchhoff problems*, Discrete Contin. Dyn. Syst. **42** (2022), 163-187.
206. **M. Bhakta, S. Chakraborty, O.H. Miyagaki and P. Pucci**, *Fractional elliptic systems with critical nonlinearities*, Nonlinearity **34** (2021), 7540-7573.
205. **P. Pucci and L. Temperini**, *Existence for fractional (p, q) systems with critical and Hardy terms in R^N* , Nonlinear Anal. **211** (2021), Paper No. 112477, 33 pp.
204. **M. Bhakta, S. Chakraborty and P. Pucci**, *Fractional Hardy-Sobolev equations with nonhomogeneous terms*, Adv. Nonlinear Anal. **10** (2021), 1086-1116.
203. **B. Bianchini, G. Colombo, M. Magliaro, L. Mari, P. Pucci and M. Rigoli**, *Recent rigidity results for graphs with prescribed mean curvature*, Math. Eng., Special Issue *Partial Differential Equations from theory to applications on the occasion of the 50th birthday of Professor Alberto Farina*, **3** (2021), Paper No. 039, 47 pp.
202. **G. Molica Bisci and P. Pucci**, *Nonlinear Problems with Lack of Compactness*, De Gruyter Series in *Nonlinear Analysis and Applications* **36** (2021), pages 302.
201. **B. Bianchini, L. Mari, P. Pucci and M. Rigoli**, *Geometric Analysis of Quasilinear Inequalities on Complete Manifolds. Maximum and compact support principles and detours on manifolds*, Series *Frontiers in Mathematics*, Birkhäuser/Springer, Cham, 2021, pages 286.
200. **S. Liang, P. Pucci and B. Zhang**, *Multiple solutions for critical Choquard-Kirchhoff type*

- equations*, Adv. Nonlinear Anal. **10** (2021), 400-419.
199. **A. Fiscella and P. Pucci**, (p, N) equations with critical exponential nonlinearities in R^N , J. Math. Anal. Appl., Special Issue *New Developments in Nonuniformly Elliptic and Nonstandard Growth Problems*, **501** (2021), Paper No. 123379, pages 25
198. **G. Autuori, F. Cluni, V. Gusella and P. Pucci**, Dynamics of nonlocal rod by means of fractional Laplacian, Symmetry, Special Issue *PDE and Symmetry*, **12** (2020), pp. 1-17, Paper No. 1933.
197. **P. Pucci and L. Temperini**, (p, Q) systems with critical singular exponential nonlinearities in the Heisenberg group, Open Math., Special Issue on *Problems, Methods and Applications of Nonlinear Analysis*, **18** (2020), 1423-1439.
196. **S. Chen, A. Fiscella, P. Pucci and X. Tang**, Coupled elliptic systems in R^N with (p, N) Laplacian and critical exponential nonlinearities, Nonlinear Anal., Special Issue *on the occasion of the 85th birthday of Professor Shair Ahmad*, **201** (2020), 112066, 14 pp.
195. **M. Bhakta, S. Chakraborty and P. Pucci** Nonhomogeneous systems involving critical or subcritical nonlinearities, Differential and Integral Equations **33** (2020), 323-336.
194. **L. Li, P. Pucci and X. Tang**, Ground state solutions for the nonlinear Schrödinger-Bopp-Podolsky system with critical Sobolev exponent, Adv. Nonlinear Stud. **20** (2020), 511-538.
193. **C. Bardaro, P. Pucci, A.R. Sambucini and G. Vinti** (eds), *Measure, Integration and Applications*, Special Issue of Boll. Unione Mat. Ital., Volume dedicated to the memory of Professor Domenico Candeloro, **13** (2020), issue 4.
192. **C. Bardaro, P. Pucci, A.R. Sambucini and G. Vinti**, *Life and work of Domenico Candeloro: an appreciation*, Boll. Unione Mat. Ital., Special Issue: *Measure, Integration and Applications, Volume dedicated to Professor Domenico Candeloro*, **13** (2020), 451-458.
191. **C. Bardaro, P. Pucci, A.R. Sambucini and G. Vinti**, *Preface*, Boll. Unione Mat. Ital., Special Issue: *Measure, Integration and Applications, Volume dedicated to Professor Domenico Candeloro*, **13** (2020), 449-449.
190. **P. Pucci and E. Vitillaro**, *Approximation by regular functions in Sobolev spaces arising from doubly elliptic problems*, Boll. Unione Mat. Ital., Special Issue: *Measure, Integration and Applications, Volume dedicated to Professor Domenico Candeloro*, **13** (2020), 487-494.
189. **A. Fiscella and P. Pucci**, Degenerate Kirchhoff (p, q) -fractional systems with critical nonlinearities, Fract. Calc. Appl. Anal. **23** (2020), 723-752.
188. **R. Filippucci, P. Pucci and Ph. Souplet**, *A Liouville-type theorem for an elliptic equation with superquadratic growth in the gradient*, Adv. Nonlinear Stud., Special Issue *on the occasion of the 70th birthday of Professor Laurent Véron*, **20** (2020), 245-251.
187. **M. Bhakta and P. Pucci**, *On multiplicity of positive solutions for nonlocal equations with critical nonlinearity*, Nonlinear Anal. **197** (2020), 111853. pages 22.
186. **P. Pucci and L. Temperini**, *Concentration-compactness results for systems in the Heisenberg group*, Opuscula Math., Special issue dedicated to Prof. D. Repovš on the occasion of his 65th

- birthday, **40** (2020), 151-162.
185. **R. Filippucci, P. Pucci and Ph. Souplet**, *A Liouville-type theorem in a half-space and its applications to the gradient blow-up behavior for superquadratic diffusive Hamilton-Jacobi equations*, *Comm. Partial Differential Equations* **45** (2020), 321-349..
184. **S. Bordoni, R. Filippucci and P. Pucci**, *Existence of solutions in problems on Heisenberg groups involving Hardy and critical terms*, *J. Geom. Anal.*, Special Issue *Perspectives of Geometric Analysis in PDEs*, **30** (2020), 1887-1917.
183. **S. Chen, A. Fiscella, P. Pucci and X. Tang**, *Semiclassical ground state solutions for critical Schrödinger-Poisson systems with lower perturbations*, *J. Differential Equations* **268** (2020), 2672-2716.
182. **P. Pucci and L. Temperini**, *Existence for (p,q) critical systems in the Heisenberg group*, *Adv. Nonlinear Anal.* **9** (2020), 895-922.
181. **R. Precup, P. Pucci and C. Varga**, *Energy-based localization and multiplicity of radially symmetric states for the stationary p -Laplace diffusion*, *Complex Var. Elliptic Equ.* **65** (2020), 1198-1209.
180. **G. Autuori, F. Cluni, V. Gusella and P. Pucci**, *Longitudinal waves in nonlocal road by the fractional Laplacian*, *Mech. Adv. Mater. Struc.* **27** (2020), 599-604.
179. **G. Molica Bisci and P. Pucci**, *Multiple sequences of entire solutions for critical polyharmonic equations*, *Riv. Math. Univ. Parma (N.S.)* **10** (2019), 117-144.
178. **O.H. Miyagaki and P. Pucci**, *Nonlocal Kirchhoff problems with Trudinger-Moser critical nonlinearity*, *NoDEA Nonlinear Differential Equations Appl.* **26** (2019) art. 27, 26 pp.
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