



UNIVERSITÀ DEGLI STUDI DELL'AQUILA
Prof. Cristina Pignotti
Curriculum scientifico

(Aggiornato il 2023/01/14)

Dati personali:

Coniugata, una figlia (2006).

Indirizzo: Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica (DISIM), Università dell'Aquila.

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Posizione:

- Professore ordinario di Analisi Matematica, presso il Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, Università degli Studi dell'Aquila, da ottobre 2020.

Posizioni precedenti:

- Professore associato (Analisi Matematica), presso il Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, Università degli Studi dell'Aquila, maggio 2015 - settembre 2020.

- Ricercatore (Analisi Matematica), Università degli Studi dell'Aquila, dicembre 2002 - maggio 2015.

- Assegno di Ricerca presso il Dipartimento di Metodi e Modelli Matematici per le Scienze Applicate dell'Università di Roma "La Sapienza", aprile - dicembre 2002.

- Borsa Indam per attività di ricerca presso il Dipartimento di Matematica dell'Università di Roma "Tor Vergata", giugno 2001 - marzo 2002.

- Contratto di collaborazione al progetto di ricerca "Soluzioni di viscosità e applicazioni al controllo, trattamento delle immagini e modelli finanziari" presso il Dipartimento di Matematica dell'Università di Roma "La Sapienza", febbraio - maggio 2001.

Studi:

- Dottorato di Ricerca in Matematica, Università di Roma "Tor Vergata", Gennaio 2001. Titolo della tesi di dottorato: "Optimal control problems with exit time: semiconcavity and applications", Advisor P. Cannarsa.
- Laurea in Matematica con lode, Università degli Studi di Camerino, 1994.
- Liceo Scientifico "B. Rosetti" di San Benedetto del Tronto (AP) (voto 60/60).

Principali interessi di ricerca:

- Equazioni alle Derivate Parziali
- Equazioni di evoluzione con ritardo
- Teoria del Controllo
- Sistemi multiagente

Pubblicazioni:

Bibliometria: 1040 citazioni totali, H-Index=14 (da MathSciNet al 10 gennaio 2023)

[1] S. Nicaise, A. Paolucci, C. Pignotti,

"Bifurcation analysis of a coupled system between a transport equation and an ordinary differential equation with time delay",

Journal of Dynamics and Differential Equations, in stampa, pubblicato online doi: 10.1007/s10884-021-10048-8.

[2] A. Paolucci, C. Pignotti,

"Well-posedness and stability for semilinear wave-type equations with time delay",

Discrete and Continuous Dynamical Systems - Series S, Vol. 15 (2022), pp.1561-1571.

[3] V. Komornik, C. Pignotti,

"Energy decay for evolution equations with delay feedbacks",

Mathematische Nachrichten, Vol. 295 (2022), n. 5, pp. 377-394.

- [4] A. Paolucci, C. Pignotti,
?Exponential decay for semilinear wave equations with viscoelastic damping and delay feedback?,
Mathematics of Control, Signals, and Systems, Vol. 33 (2021), n. 4, pp. 617-636.
- [5] Y.-P. Choi, C. Pignotti,
?Exponential synchronization of Kuramoto oscillators with time delayed coupling?,
Communications in Mathematical Sciences, Vol. 19 (2021), n. 5, pp. 1429-1445.
- [6] S. Leonardi, F. Leonetti, C. Pignotti, E. Rocha, V. Staicu,
?Local boundedness for weak solutions to some quasilinear elliptic systems?,
Minimax Theory and its Applications, Vol. 6 (2021), n. 2, pp. 365-378.
- [7] Y.-P. Choi, A. Paolucci, C. Pignotti,
?Consensus of the Hegselmann-Krause opinion formation model with time delay?,
Mathematical Methods in the Applied Sciences. 44 (2021), n.6, pp. 4560-4579.
- [8] S. Nicaise, C. Pignotti,
?Asymptotic behavior of dispersive electromagnetic waves in bounded domains?,
Z. Angew. Math. Phys. 71 (2020), n.3, Paper No. 76, 26 pp.
- [9] S. Leonardi, F. Leonetti, C. Pignotti, E. Rocha, V. Staicu,
?Maximum principles for some quasilinear elliptic systems?,
Nonlinear Analysis, Vol. 194 (2020), Article number 111377.
- [10] V. Komornik, C. Pignotti
?Well-posedness and exponential decay estimates for a Korteweg-de Vries-Burgers equation with time-delay?,
Nonlinear Analysis, Vol. 191 (2020), Article number 111646.
- [11] Y.-P. Choi, C. Pignotti,
?Emergent behavior of Cucker-Smale model with normalized weights and distributed time delays?,
Networks and Heterogeneous Media, Vol. 14 (2019), pp. 789-804.
- [12] C. Pignotti, E. Trélat,

?Convergence to consensus of the general finite-dimensional Cucker-Smale model with time-varying delays?,
Communications in Mathematical Sciences, Vol. 16 (2018), n. 8, pp. 2053-2076.

[13] C. Pignotti, I. Reche Vallejo,

?Flocking estimates for the Cucker-Smale model with time lag and ierarchical leadership?,
Journal of Mathematical Analysis and Applications, Vol. 464 (2018), pp. 1313?1332.

[14] S. Nicaise, C. Pignotti,

?Well-posedness and stability results for nonlinear abstract evolution equations with time delays?,
Journal of Evolution Equations, Vol. 18 (2018), pp. 947?971.

[15] C. Pignotti,

?Stability results for second-order evolution equations with memory and switching time-delay?,
Journal of Dynamics and Differential Equations, Vol. 29 (2017), pp. 1309?1324.

[16] G. Fusco, F. Leonetti, C. Pignotti,

?On the asymptotic behavior of symmetric solutions of the Allen-Cahn equation in unbounded domains in \mathbb{R}^2 ?,

Discrete and Continuous Dynamical Systems, Vol 37 (2017), pp. 725-742.

[17] G. Fragnelli, C. Pignotti,

?Stability of solutions to nonlinear wave equations with switching time-delay?,
Dynamics of Partial Differential Equations , Vol. 13 (2016), pp. 31-51.

[18] S. Nicaise, C. Pignotti,

?Stability of the wave equation with localized Kelvin-Voigt damping and boundary delay feedback?,
Discrete and Continuous Dynamical Systems-S , Vol. 13 (2016), pp. 31-51.

[19] K. Ammari, S. Nicaise, C. Pignotti,

?Stability of abstract wave equation with delay and a Kelvin-Voigt damping?,
Asymptotic Analysis, Vol. 95 (2015), pp. 21?38.

[20] S. Nicaise, C. Pignotti,

?Exponential stability of abstract evolution equations with time delay?,

Journal of Evolution Equations, Vol. 15 (2015), pp. 107-129.

[21] S. Nicaise, C. Pignotti,

Stability results for second-order evolution equations with switching time-delay,

Journal of Dynamics and Differential Equations, Vol. 26 (2014), pp. 781-803.

[22] S. Nicaise, C. Pignotti,

Stabilization of second-order evolution equations with time delay,

Mathematics of Control, Signals and Systems, Vol. 26 (2014), pp. 563-588.

[23] K. Ammari, S. Nicaise, C. Pignotti,

Stabilization by switching time-delay,

Asymptotic Analysis, Vol. 83 (2013), pp. 263-283.

[24] S. Nicaise, C. Pignotti,

Asymptotic stability of second-order evolution equations with intermittent delay,

Advances in Differential Equations, Vol. 17 (2012), pp. 879-902.

[25] C. Pignotti,

A note on stabilization of locally damped wave equations with time delay,

Systems & Control Letters, Vol. 61 (2012), pp. 92-97.

[26] S. Nicaise, C. Pignotti,

Exponential stability of second order evolution equations with structural damping and dynamic boundary delay feedback,

IMA Journal of Mathematical Control and Information, Vol. 28 (2011), pp. 417-446.

[27] S. Nicaise, C. Pignotti,

Interior feedback stabilization of wave equations with time dependent delay,

Electronic Journal of Differential Equations, Vol. 2011 (2011), n. 41, pp. 1-20.

[28] G. Fusco, F. Leonetti, C. Pignotti,

A uniform estimate for positive solutions of semilinear elliptic equations,

Transactions of American Mathematical Society, Vol. 363 (2011), pp. 4285-4307.

- [29] S. Nicaise, C. Pignotti, J. Valein,
"Exponential stability of the wave equation with boundary time-varying delay",
Discrete and Continuous Dynamical Systems-S, Vol. 4 (2011), n. 3, pp. 693-722.
- [30] K. Ammari, S. Nicaise, C. Pignotti,
"Feedback boundary stabilization of wave equation with interior delay",
Systems and Control Letters, Vol. 59 (2010), pp. 623-628.
- [31] S. Nicaise, C. Pignotti,
"Asymptotic analysis of a simple model of fluid-structure interaction",
Networks and Heterogeneous Media, Vol. 3 (2008), n. 4, pp. 787-813.
- [32] S. Nicaise, C. Pignotti,
"Stabilization of the wave equation with boundary or internal distributed delay",
Differential and Integral Equations, Vol. 21 (2008), n. 9-10, pp. 935-958.
- [33] G. Fusco, C. Pignotti,
"Estimates for fundamental solutions and spectral bounds for a class of Schrodinger operators",
Journal of Differential Equations, Vol. 244 (2008), n. 3, pp. 514-554.
- [34] G. Freni, F. Gozzi, C. Pignotti,
"Optimal strategies in linear multisector models: Value function and optimality conditions",
Journal of Mathematical Economics, Vol. 44 (2008), n. 1, pp. 55-86.
- [35] S. Nicaise, C. Pignotti,
"Energy decay rates for solutions of Maxwell's system with a memory boundary condition",
Collectanea Mathematica, Vol. 58 (2007), n. 3, pp. 327-342.
- [36] S. Nicaise, C. Pignotti,
"Partially delayed stabilizing feedbacks for Maxwell's system",
Advances in Differential Equations, Vol. 12 (2007), n. 1, pp. 27-54.
- [37] S. Nicaise, C. Pignotti,

?Stabilization of the wave equation with variable coefficients and boundary condition of memory type?,
Asymptotic Analysis, Vol. 50 (2006), n. 1-2, pp. 31?67.

[38] S. Nicaise, C. Pignotti,

?Stability and instability results of the wave equation with a delay term in the boundary or internal feedbacks?,
SIAM Journal on Control and Optimization, Vol. 45 (2006), n. 5, pp. 1561?1585.

[39] S. Nicaise, C. Pignotti,

?Internal and boundary observability estimates for heterogeneous Maxwell?s system?,
Applied Mathematics and Optimization, Vol. 54 (2006), n. 1, pp. 47?70.

[40] S. Nicaise, C. Pignotti,

?Internal stabilization of Maxwell?s equations in heterogeneous media?,
Abstract and Applied Analysis 2005, n. 7, pp. 791?811.

[41] C. Pignotti,

?Semiconcavity results for constrained optimal control problems in a half-space?,
Journal of Mathematical Analysis and Applications, Vol. 305 (2005), pp. 197?218.

[42] F. Camilli, C. Pignotti,

?A relaxation result for a class of degenerate Hamilton-Jacobi equations?,
Differential and Integral Equations, Vol. 18 (2005), pp. 419?430.

[43] S. Nicaise, C. Pignotti,

?Boundary stabilization of Maxwell?s equations with space-time variable coefficients?,
ESAIM Control Optimisation and Calculus of Variations, Vol. 9 (2003), pp. 563?578.

[44] C. Pignotti,

?Rectifiability results for singular and conjugate points of optimal exit time problems?,
Journal of Mathematical Analysis and Applications, Vol. 270 (2002), pp. 681?708.

[45] P. Cannarsa, C. Pignotti,

?Semiconcavity of the value function for an exit time problem with degenerate cost?,

Le Matematiche, Vol. 55 - Suppl. 2 (2000), pp. 71-108.

[46] P. Cannarsa, C. Pignotti, C. Sinestrari,

“Semiconcavity for optimal control problems with exit time”,

Discrete and Continuous Dynamical Systems, Vol. 6 (2000), pp. 975-997.

[47] C. Pignotti,

“Observability and controllability of Maxwell’s equations”,

Rendiconti di Matematica e Applicazioni, Serie VII, Vol. 19 (2000), pp. 523-546.

[48] L. Fatone, C. Pignotti, M. C. Recchioni, F. Zirilli,

“Time harmonic electromagnetic scattering from a bounded obstacle: an existence theorem and a computational method”,

Journal of Mathematical Physics, Vol. 40 (1999), n. 10, pp. 4859-4887.

Proceedings e contributi in Volumi con referaggio:

[49] C. Pignotti, I. Reche Vallejo,

“Asymptotic analysis of a Cucker-Smale system with leadership and distributed delay”,

in Trends in Control Theory and Partial Differential Equations, Springer Indam Series, Vol. 32 (2019), pp. 233-253.

[50] C. Pignotti,

“Stability results for abstract evolution equations with intermittent time-delay feedback”,

In Solvability, Regularity, and Optimal Control of Boundary Value Problems for PDEs, Springer Indam Series, Vol. 22 (2017), pp. 469-487.

[51] S. Nicaise, C. Pignotti,

“A note on the asymptotic stability of wave-type equations with switching time-delay”,

In Evolution Equations: Long Time behavior and Control, London Mathematical Society Lecture Note Series, Cambridge University Press, Vol. 439 (2017), pp. 137-150.

[52] F. Alabau-Boussouira, S. Nicaise, C. Pignotti,

“Exponential stability of the wave equation with memory and time delay”

New Prospects in Direct, Inverse and Control Problems for Evolution Equations, Springer Indam Series, Vol.

10 (2014), pp. 1-22.

[53] S. Nicaise, C. Pignotti,

Exponential and polynomial stability estimates for the wave equation and Maxwell's system with memory boundary conditions?,

Functional Analysis and Evolution Equations. The Gunter Lumer Volume (2008), pp. 515-530, Birkhauser Verlag.

[54] P. Cannarsa, C. Pignotti,

Optimal control with state constraints: a semiconcavity result?,

in Proceedings of the 38th Conference on Decision and Control?, IEEE, New York (1999), pp. 436-441.

[55] L. Fatone, P. Maponi, C. Pignotti, F. Zirilli, Francesco,

An inverse problem for the two-dimensional wave equation in a stratified medium?, in Inverse

problems, of wave propagation and diffraction (Aix-les-Bains, 1996)?, Lecture Notes in Phys., Vol. 486, pp. 263-274, Springer, Berlin (1997).

Attività editoriale e di referee:

- Associate Editor della rivista SIAM Journal on Control and Optimization, da gennaio 2022.
- Associate Editor della rivista Journal of Mathematical Analysis and Applications, da settembre 2021.
- Associate Editor della rivista Evolution Equations and Control Theory, da aprile 2018.
- Associate Editor della rivista DEA-Differential Equations and Applications (Ele-Math), da gennaio 2019.
- Associate Editor della rivista Mathematics, da marzo 2020.
- Associate Editor della rivista Abstract and Applied Analysis da luglio 2012 a novembre 2019.
- Guest Editor, con P. Cannarsa, G. Floridia e R. Guglielmi, di una Special Issue della rivista Minimax Theory and its Applications, titolo del volume Analysis, Control and Inverse Problems for PDEs?, 2021.
- Reviewer per Mathematical Reviews, dal 2006.
- Reviewer per zbMATH, dal 2020.
- Attività di referee per varie riviste, tra cui: Applied Mathematics and Optimization, Automatica, Bulletin of the London Mathematical Society, Communications in Mathematical Sciences, Discrete and Continuous Dynamical Systems, ESAIM: Control, Optimisation and Calculus of Variations, Journal of Differential

Equations, Journal of Mathematical Analysis and Applications, Journal of Mathematical Physics, Journal of Nonlinear Science, Kinetic and Related Models, Mathematical Methods in the Applied Sciences, Nonlinear Analysis TMA, Nonlinear Differential Equations and Applications NoDEA, Nonlinearity, Proceedings of the AMS, Systems and Control Letters, Siam Journal on Control and Optimization, Siam Journal on Mathematical Analysis.

Seminari su invito a convegni o presso università:

- "Exponential decay for semilinear damped wave equations with time-dependent time delay", workshop "Recent advances in direct and inverse problems for PDEs and applications", 5-7 dicembre 2022, Università di Roma La Sapienza.
- "Decay estimates for semilinear wave equations with delay feedback", workshop "Analysis and control of (bi)linear PDEs", 7-9 settembre 2022, Università di Roma Tor Vergata.
- (Mini Course) "Well-posedness and stability of nonlinear abstract evolution equations with time delay" (Joint lectures with S. Nicaise), school-workshop "Analysis, Control and Inverse Problems for diffusive systems with applications to natural and social sciences", 18-22 luglio 2022, Università di Bari.
- "Exponential decay for semilinear damped wave equations with delay feedback", seminario tenuto alla 4th International Conference on Pure and Applied Mathematics, 22-23 giugno 2022, Van, Turchia, Virtual Conference.
- "Energy decay for semilinear viscoelastic wave equations with delay feedback", seminario tenuto alla Conferenza "Theoretical and numerical trends in inverse problems and control for PDEs, and Hamilton-Jacobi equation" - Conference in honor of the 65th birthday of P. Cannarsa, 13-17 giugno 2022, Luminy, France.
- "Exponential decay for semilinear wave equations with viscoelastic damping and delay feedback", seminario tenuto all'incontro "PDEs, Analysis and Applications" - Conference in honor of the 60th birthday of S. Nicaise, 2-5 novembre 2021, Valenciennes, France.
- "Consensus and control of Hegselmann-Krause models with time delay", seminario tenuto in "Analysis Seminar", 1 ottobre 2021, University of Brasilia (online).
- "Consensus and control of opinion formation models", seminario tenuto al SIAM Annual Meeting 2021 - Special session "Control and Optimization in Differential Equations", 19-23 luglio 2021 (online, orig. Spokane, Washington).
- "Consensus of opinion formation models with time delay", seminario tenuto al convegno Indam "Analysis and Numerics of Design, Control and Inverse Problems", 1-7 luglio 2021, Roma.
- "Asymptotic behavior of dispersive electromagnetic waves in bounded domains", seminario tenuto al VIII European Congress of Mathematics - "Special session Analysis, Control and Inverse Problems for PDEs", 20-26 giugno 2021, Portoroz, Slovenia (online).

- ?Convergence to consensus of the Hegselmann-Krause model with time delay?, seminario tenuto all'incontro ?Controllability of PDEs in physics models and applied sciences?, 27-28 febbraio 2020, Tor Vergata, Roma .
- ?Stability estimates for a Korteweg-de Vries-Burgers equation with feedback delay?, seminario tenuto al convegno ?Feedback Control?, Special Semester Optimization, 28-30 novembre 2019, Ricam, Linz.
- ?Convergence to consensus of a Cucker-Smale model with time delay?, seminario tenuto presso Laboratoire de Mathématiques et leurs Applications, Université Polytechnique Hauts-de-France, 12 settembre 2019, Valenciennes.
- ?Abstract evolution equations with delay?, seminario tenuto al XXI Congresso UMI, Sessione Speciale ?Problemi diretti e inversi per equazioni di evoluzione?, 2-7 settembre 2019, Pavia.
- ?Convergence to consensus of a Cucker-Smale model with time delay?, seminario tenuto al First Joint Meeting Brazil-France in Mathematics, Special Session ?Delay and functional differential equations and applications?, 15-19 luglio 2019, Impa, Rio de Janeiro.
- (Keynote Speaker) ?Damped wave equation and time delay effects? e ?Flocking estimates for a Cucker-Smale model with leadership and distributed delay?, seminari tenuti al Congresso SIAM CT 19, Special Session ?Time delay system: overview and some new developments?, 19-21 giugno 2019, Chengdu.
- ?Flocking estimates for a Cucker-Smale model with distributed time delay?, seminario tenuto al convegno ?Shape Optimization, control and inverse problems for PDEs?, Periodo Intensivo Indam, 10-14 giugno 2019, Napoli.
- ?Emergent behavior of a Cucker-Smale model with distributed time delay?, seminario tenuto al convegno ?Control Theory and Applications?, 28-29 marzo 2019, GSSI, L'Aquila.
- ?Decay estimates for a Korteweg-de-Vries-Burgers equation with time delay?, seminario tenuto al convegno IFIP TC 7, Invited Session ?Qualitative Analysis and Control Theoretic Properties of Evolutionary Partial Differential Equations?, 23-27 luglio 2018, Essen, Germania.
- ?Stability results for Korteweg-de-Vries-Burgers equations with delay?, seminario tenuto al convegno SIMAI 2018, Invited Session ?Control and inverse problems for evolution equations?, 2-6 luglio 2018, Roma.
- ?Stability results for time delayed evolution equations?, seminario tenuto al convegno ?New trends in control of evolution systems?, 20-21 aprile 2018, GSSI, L'Aquila.
- ?Flocking estimates for Cucker-Smale models with time delay?, seminario tenuto al convegno ?Paths in Mathematical Control Theory?, 26-27 febbraio 2018, Politecnico di Torino.
- ?Flocking results for the Cucker-Smale model with time delay and hierarchical leadership?, seminario tenuto al convegno ?1st DECOD -Delays and Constraints in Distributed Parameters Systems?, 22-24 novembre 2017, Gif-sur-Yvette (Francia).
- ?Asymptotic stability of evolution equations with time delay?, seminario tenuto al convegno ?Recent advances

es in PDEs?, 12-14 luglio 2017, Università Federico II, Napoli.

- ?Energy decay estimates for abstract evolution equations with time delay?, seminario tenuto al convegno ?New Trends in Control Theory and PDEs?, 3-7 luglio 2017, INdAM, Roma.

- ?Flocking results for the Cucker-Smale model with time delay?, seminario tenuto al convegno ?Differential Equations and Applications?, 22-26 maggio 2017, Bologna.

- ?A stability result for the wave equation with Kelvin-Voigt damping and delay feedback?, seminario tenuto al convegno SIMAI 2016, Invited Session ?Analysis and control of degenerate evolution equations?, 13-16 settembre 2016, Milano.

- ?On the Cucker-Smale model with time delay?, seminario tenuto al First Joint Meeting Brazil-Italy in Mathematics, Invited Session ?Control and asymptotic of Nonlinear PDE Dynamics?, 29 agosto-2 settembre 2016, Rio De Janeiro.

- ?Exponential stability of abstract evolution equations with time delay feedback?, seminario tenuto al convegno ?Optimal Control for Evolutionary PDEs and Related Topics?, 20-24 giugno 2016, Cortona.

- ?Stabilization of viscoelastic wave equations with time delay?, seminario tenuto al convegno ?Control de EDP et Applications?, 9-13 novembre 2015, CIRM, Luminy, Marsiglia.

-?Stability of wave equation with Kelvin-Voigt damping and dynamic boundary delay feedback?, seminario tenuto al convegno ?27th IFIP Conference on System Modelling and Optimization?, Invited Session ?Well-posedness, control, and observability theories for partial differential equations?, 29 giugno-3 luglio 2015, Sophia Antipolis, Francia.

- ?Stability results for the wave equation with intermittent damping?, seminario tenuto al convegno ?27th IFIP Conference on System Modelling and Optimization?, Invited Session ?Oscillation, Degeneracy and Controllability?, 29 giugno-3 luglio 2015, Sophia Antipolis.

- ?Stability results for a class of second-order evolution equations with intermittent delay?, seminario tenuto al convegno ?Evolution Equations : long time behavior and control?, 15-18 giugno 2015, Chambéry, Francia.

- ?Exponential stability of damped evolution equations against small delay feedback?, seminario tenuto al convegno ?Control of Partial Differential Equations @GSSI?, 22-24 aprile 2015, GSSI, L'Aquila.

-?Exponential stability for abstract evolution equations with delay?, seminario tenuto al convegno ?PDE's, Inverse Problems and Control Theory 2014?, 15-19 settembre 2014, Bologna.

-?Asymptotic stability for a class of semilinear evolution equations with time delay?, seminario tenuto al convegno ?The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications?, Invited Session ?Analysis and control of nonlinear partial differential equation and evolution systems?, 7-11 luglio 2014, Madrid.

- ?Exponential stability for a viscoelastic wave equation with anti-damping/time delay?, seminario tenuto al convegno ?First Joint International Meeting RSME?SCM?SEMA?SIMAI?UMII?, Invited Session ?Control of PDE: Theory, N

cs, and Applications?, 30 giugno-4 luglio 2014, Bilbao.

- ?Stabilization of second order evolution equations with intermittent time delay?, seminario tenuto al convegno ?Controllability and networks, Conference in honour of the 60th birthday of Vilmos Komornik?, 26-28 maggio 2014, Roma.

- ?Stability results for Second Order Evolution Equations with Switching Time Delay?, seminario tenuto al convegno ?IFIP TC 7 Conference on System Modelling and Optimization?, Invited Session ?Novel Directions in Control of Evolutionary PDE problems?, 8-13 settembre 2013, Klagenfurt.

- ?Stabilization of second order evolution equations with time delay?, seminario tenuto al convegno ?Differential Equations, Inverse Problems and Control Theory?, 17-21 giugno 2013, Cortona.

- ?Asymptotic stability of second order evolution equations with intermittent delay?, seminario tenuto al convegno ?PDEs, inverse problems and control theory?, 16-20 luglio 2012, Bologna.

- ?Exponential stability of the wave equation with interior time delay?, seminario tenuto presso il dipartimento di Matematica dell'Università di Monastir, 30 maggio 2012.

- ?Stability results for wave equations with interior time delay?, seminario tenuto al convegno ?Conference of the European GDR Control of PDEs?, 21-23 novembre 2011, Marsiglia.

- ?Feedback stabilization of wave equations with time delay?, seminario tenuto presso la ?Academy of Mathematics and System Sciences?, 1 Aprile 2011, Pechino.

- ?Exponential stability of the strongly damped wave equation with boundary feedback laws with delay?, seminario tenuto al convegno ?PDE's, semigroup theory and inverse problems?, 1-4 settembre 2010, Bologna.

- ?Stabilità/instabilità dell'equazione delle onde con un termine di ritardo?, seminario tenuto presso il Dipartimento di Matematica del Politecnico di Torino, 23 febbraio 2010.

- ?Feedback boundary stabilization of wave equations with interior delay?, seminario tenuto al convegno ?First workshop of the European Research Group project - Control of Partial Differential Equations?, 14-16 ottobre 2009, Institut Henri Poincaré, Parigi.

- ?Existence and exponential estimate for positive solutions of a class of semilinear elliptic equations?, seminario tenuto al convegno ?Septièmes journées des équations aux dérivées partielles Lille - Littoral - Valenciennes?, 12-13 ottobre 2009, Valenciennes, Francia.

- ?A uniform estimate for positive solutions of semilinear elliptic equations?, seminario tenuto al convegno ?Mathematical Challenges Motivated by Multi-Phase materials: Analytical, Stochastic and Discrete Aspects?, 21-26 giugno 2009, Anogia, Creta.

- ?Exponential stability of Maxwell's equations with partially delayed feedbacks?, seminario tenuto presso il dipartimento di Matematica dell'Università di Monastir, 27 maggio 2009.

- ?On a semilinear elliptic boundary value problem?, seminario tenuto al convegno ?Direct, Inverse and Control

l Problems for PDEs?, Cortona, 22-26 settembre 2008.

- ?On a class of semilinear elliptic equations?, seminario tenuto al convegno ?Viscosity, metric and control theoretic methods in nonlinear PDEs?, Roma, 3-5 settembre 2008.

- ?Stability results for Maxwell's equations with a delay term in the boundary or internal feedbacks?, seminario tenuto al convegno ?Direct, Inverse and Control Problems for PDEs?, Roma, 25-28 giugno 2007.

- ?Stabilization of the wave equation with boundary condition of memory type?, seminario tenuto al convegno ?Non linear Partial Differential Equations and Applications?, Cortona, 19-24 giugno 2006.

- ?Observability estimates for heterogeneous Maxwell's system?, seminario tenuto al convegno ?Inverse and Control Problems for PDEs?, Roma, 13-17 marzo 2006.

- ?Stabilization of the wave equation with partially delayed feedbacks?, seminario tenuto al convegno ?Partial Differential Equations and Applications?, Roma, 1-3 marzo 2006.

- ?Stabilization of the wave equation with variable coefficients and boundary condition of memory type?, seminario tenuto all'incontro CIRM ?Evolution Equations and Applications?, Luminy, Francia, 24-28 ottobre 2005.

- ?Stabilization of Maxwell's equations in heterogeneous media?, seminario tenuto al convegno ?22o IFIP TC 7 Conference on System Modelling and Optimization?, Invited Session ?Analysis and optimization of systems modeled by PDEs?, Torino, 18-22 luglio 2005.

- ?Semiconcavit  della funzione valore per una classe di problemi di controllo ottimo?, seminario tenuto presso il Dipartimento di Matematica del Politecnico di Torino, 27 marzo 2002.

- ?Regolarit  della funzione valore per problemi di controllo ottimo con tempi di uscita?, seminario tenuto presso il Dipartimento di Metodi e Modelli Matematici per le Scienze Applicate dell'Universit  di Roma ?La Sapienza?, 21 marzo 2002.

- ?Some observability results for a system of Maxwell's equations?, seminario tenuto al convegno ?Control and Stabilization of PDEs?, Cortona, 21-26 maggio 2001.