CURRICULUM VITAE and PUBLICATION LIST

PERSONAL INFORMATION

Date and place of birth : February 7, 1960 in Moreni (Romania)
Nationality : French and Romanian
URL for web site : https://www.math.u-bordeaux.fr/~mtucsnak/

EDUCATION

1995 : Habilitation from the University of Paris 6
1990 -- 1992 : PhD from the University of Orléans, France
1980 -- 1985 : Master in Mathematics from the University of Bucharest, Romania.

CURRENT POSITION

2015 – : Professor of mathematics at University of Bordeaux, France

PREVIOUS POSITIONS

1997 -- 2015 : Professor of mathematics at the University of Lorraine, Nancy, France
1992 -- 1997 : Assistant professor at University of Versailles, France
1987 -- 1992 : Research scientist at the Institute of Mathematics of the Romanian Academy
1985 -- 1987 : Research engineer at the Research Center for Textile Industry, Romania

FELLOWSHIPS AND AWARDS

- 2022 Invited speaker at ICM 2022
- 2018 The Spiru Haret prize of the Romanian Academy
- 2016 – 2019 Holder of the chair Analysis and Control of Infinite Dimensional Dynamical Systems of the Excellency Initiative of Université de Bordeaux
- 2013 – 2018 Member of the “Institut Universitaire de France” (IUF).

INVITED PROFESSOR:

- Institute of Mathematics of the Polish Academy of Sciences (2022)
- University of Changchun, China (2019)
- Institute of Mathematics and its Applications, Minneapolis (2015/2016)
- Institute of Mathematics of the Czech Academy, Prague (2014)
- University of Wuhan, China, (2013)
- Tel Aviv University (2012, 2015)
- BCAM, Bilbao (2011)
- Imperial College London (2004, 2006, 2008)
- Institute for applied Sciences, Bangalore (2002, 2008)
- Universidad Autonoma de Madrid (2007)
- Universidad de Chile (2003, 2007

INVITED CONFERENCES AND LECTURES (a selection):

- International Conference of Mathematicians (ICM), 2022
- Workshop on Analysis of Fluid and Elastic Body Interactions, Regensburg, 2022
- The Ninth Congress of Romanian Mathematicians, Galati, Romania, 2019
- MTNS 2016, Minneapolis, USA, 2016.
- CPDE (IFAC workshop), Bertinoro, Italy, 2016
- International Workshop on Multiphase Flows, Tokyo, Japan, 2015
- Equadiff13, Prague, Czech Republic, 2013
- Control of fluid-structure systems and inverse problems, Toulouse, France, 2012

ORGANISATION OF SCIENTIFIC MEETINGS (as main organizer)

[2005] Analysis and Control of fluid-structure interactions, Chile,
[2007] Analysis and Control of PDEs, Pont-à-Mousson, France
[2013] Control of Distributed Parameter Systems, Craiova, Romania
[2013] Mathematical Aspects of Fluid-Structure Interaction Systems, Paris, France
[2015] Infinite dimensional systems in fluid mechanics and biology, Pointe-à-Pitre, France
[2017] Control of Distributed Parameter Systems (CDPS), Bordeaux, France
[2018] 14th French-Romanian Applied Mathematics Conference, Bordeaux, France

INSTITUTIONAL RESPONSIBILITIES

[2017-2020] Director of the excellency cluster SysNum of University of Bordeaux
[2009 – 2015] Director of the Elie Cartan Institute, Université de Lorraine, France
[2001 – 2013] Head of the CORIDA Inria project team, Inria Nancy, France
[2005 – 2009] Member of the Scientific Board of Université de Lorraine, France
[2002 – 2005] Member of the Inria Evaluation Committee.

COMMISSIONS OF TRUST

[2010 – 2016] Member of the evaluation panels for mathematics of the Universities of Toulouse, Montpellier, Grenoble (France) and Beijing Institute of Technology (China).
[2011 – 2015] Member of the French National Council of Universities, section 26 (applied mathematics)
[2010 –] Evaluator of grant proposals for ANR (France), NSF (USA), CONICYT (Chile), NWO (Netherlands), CCSIS (Romania).

EDITORIAL BOARDS

2014 -- Mathematics of Control, Signals and Systems (MCSS)

2013 -- Journal of Mathematical Fluid Mechanics

2012 -- Revue Roumaine de Mathématiques Pure et Appliquées

2012 -- Mathematical Reports (Romania)

2005 -- ESAIM COCV

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Defended PhD Thesis:

- Kais AMMARI, presently professor at University of Monastir (Tunisia):

« Stabilization of a class of equations of second order in time », defended on 07/01/2000.

- Rogelio BENAVIDES, presently assistant professor in University of Belem (Brazil) :

« Stabilization by degenerated feedbacks », defended in June 2001.

- Antoine CHAPELON, presently research engineer in IXSEA-OCEANO:

«Evolution Riccati Equations for infinite dimensional systems », defended in 2000.

- Takéo TAKAHASHI, presently research scientist in INRIA Nancy Grand Est:

« Analysis of the equations modelling the motion of solids in viscous fluids », defended in December 2002.

- Patricio CUMSILLE, presently assistant professor at University of Bio-Bio, Chile:

« Analysis of some fluid-structure interaction systems», defended in march 2006.

- Jean Gabriel HOUOT, unknown situation :

« Modelling of the motion of solids in an ideal fluid », defended in June 2008.

- Nicolae CINDEA, presently assistant professor at University Blaise Pascal from Clermont Ferrand , France:

« Control and inverse problems for evolution PDEs with applications in medicine », defended in April 2010.

- Yuning LIU, presently assistant professor at NYU Shanghai:

« Analysis and control of some fluid-structure interaction problems », defended in November 2011.

- Jerôme LOHEAC, presently CNRS research scientist at l'IRCYN, Nantes, France:

« Analysis and control of self-propelled low Reynolds motions », defended in November 2012.

- Ghislaine HAINE, presently associated professor at SUPAERO, Toulouse, France :

« Observers for infinite dimensional systems and their applications », defended in June 2012.

- Chi-Ting WU, University of Lorraine, Nancy:

« Perturbations and approximations for time optimal control problems for parabolic systems », defence possible in 2017 (scientific work finished but health problems impeached the defence for now).

- Nicolas HEGOBURU, University of Bordeaux :

« Control and identification in population dynamics », defended in 2018.

- Marco BRAVIN, University of Bordeaux, presently post doc at TU Delft:

« Dynamics of a viscous incompressible flow in presence of a rigid body and of an inviscid incompressible flow in presence of a source and a sink», defended in 2019.

- Pei SU, University of Bordeaux, presently post doc at Charles University, Prague

« Stabilization of the systems describing water waves and their interaction with a floating

object», defended in 2021.

- Gaston VERGARA, University of Bordeaux, presently post doc at University Paris Saclay:

« Modelling, analysis and control of some water waves-rigid body interactions», defended in 2021.

Postdocs:

- **2010:** V. Mikhaylov, presently assistant professor in St. Petersburg, Russia: *Inverse problems for the Schrödinger equation*
- **2013:** J. Lequeurre, presently assistant professor in University of Lorraine, France: *Motion of a piston in a compressible fluid.*
- 2015-2016: Debayan Maity, presently associate professor in Tata Institute, Bangalore, India: *Interaction of solids with heat conducting gases.*
- 2019-2021: Kevin Le Balc'h, presently full time researcher in Inria, Paris: *Controllability and stabilization for parabolic systems.*

PERSONAL BIBLIOGRAPHY

A. Monographs:

A01. M. Tucsnak and G. Weiss, *Observation and Control for Operator Semigroups*, 494 pages, Birkhäuser, Basel-Boston-Berlin, 2009.

B. Book chapters:

B01. J. San Martin and M. Tucsnak, Mathematical analysis of particulate flows, in *Trends in Fluid-Structure Interaction* (edited by G.P. Galdi and R. Rannacher), 201--260, World Scientific, Singapore, 2010

B02. D. Maity and M. Tucsnak, A maximal regularity approach to the analysis of some particulate flows, in *Particles in flows* (Edited by T. Bodnár, G. P. Galdi and Š. Nečasová), 1–75, Adv. Math. Fluid Mech., Birkhäuser/Springer, Cham, 2017.

C. Articles published in international journals

C01. P. Su and M. Tucsnak, Shallow water waves generated by a floating object: a control theoretical perspective, *Mathematical Control and Related Fields* (2022), doi:10.3934/mcrf.2022048 .

C02. S. Ervedoza, D. Maity and M. Tucsnak, Large time behaviour for the motion of a solid in a viscous incompressible fluid, *Mathematische Annalen* (2022), https://doi.org/10.1007/s00208-021-02351-y .

C03. S. Ervedoza, K. Le Balc'h and M. Tucsnak, Reachability results for perturbed heat equations, *J. Funct. Anal*. **283** (2022), no. 10, Paper No. 109666.

C04. S. Singh, G. Weiss and M. Tucsnak, A class of incrementally scattering-passive nonlinear systems, *Automatica J. IFAC* **142** (2022), Paper No. 110369, 14 pp.

C05. K**.** Kellay, Th. Normand and M. Tucsnak, Sharp reachability results for the heat equation in one space dimension, *Analysis & PDE,* **15** (2022), 891-920*.*

C06. K. Le Balc'h and M. Tucsnak, A penalty approach to the infinite horizon LQR optimal control problem for the linearized Boussinesq system, *ESAIM Control Optim. Calc. Var (COCV),* **27** (2021), Paper No. 17, 30 pp.

C07. A. Hartmann, K. Kellay and M. Tucsnak, From the reachable space of the heat equation to Hilbert spaces of holomorphic functions, *Journal of the European Mathematical Society (JEMS),* **22** (2020), 3417-3440

C08. D. Maity, M Tucsnak and E. Zuazua, Controllability of a Class of Infinite Dimensional Systems with Age Structure, *Control and Cybernetics,* 2020.

C09. P**.** Su, M. Tucsnak, and G. Weiss, Stabilizability properties of a linearized water waves system, *Systems & Control Letters* **139** (2020): 104672.

C10. D. Maity, M Tucsnak and E. Zuazua, Controllability and positivity constraints in population dynamics with age structuring and diffusion, *Journal de Mathématiques Pures et Appliquées* **129** (2019), 153-179.

C11. D. Maity, J. San Martin, T. Takahashi and M Tucsnak, Analysis of a Simplified Model of Rigid Structure Floating in a Viscous Fluid, *J. Nonlinear Sci.* **29** (2019), 1975–2020

C12. M. Tucsnak, J. Valein and C.-T. Wu, Finite dimensional approximations for a class of infinite dimensional time optimal control problems, *International Journal on Control* **92** (2019), 132-144.

C13. B.H. Haak, D Maity, T. Takahashi and M. Tucsnak, Mathematical Analysis of the Motion of a Rigid Body in a Compressible Navier-Stokes-Fourier Fluid, *Matematische Nachrichten* **292** (2019), 1972-2017.

C14. N. Hegoburu and M. Tucsnak, Null controllability of the Lotka-McKendrick system with spatial diffusion, *Mathematical Control and Related Fields* **8** (2018), 705-720.

C15. N.Hegoburu, P. Magal and M. Tucsnak, Controllability with positivity constraints of the Lotka-McKendrick system, *SIAM J. Control Optim.* **56** (2018), 723–750.

C16. E. Feireisl, V. Mácha, S. Nečasová and M. Tucsnak, Analysis of the adiabatic piston problem via methods of continuum mechanics, *Ann. Inst. H. Poincaré Anal. Non Linéaire 35* (2018), 1377–1408.

C17. S.W. Hansen and M Tucsnak, Some new applications of Russell's principle to infinite dimensional vibrating systems, *Annual Reviews in Control* **44** (2017), 184-198.

C18. D. Maity**,** T. Takahashi and M. Tucsnak, Analysis of a system modelling the motion of a piston in a viscous gas, to appear in *Journal of Mathematical Fluid Dynamics*, 19 (2017), 551-579.

C19. G. Wang**,** M. Tucsnak and C.-T. Wu, Perturbations of time optimal control problems for a class of abstract parabolic systems, *SIAM Journal on Control and Optimization*, **54** (2016), 2965–2991.

C20. K. Ramdani, M. Tucsnak and J. Valein, Detectability and state estimation for linear age-structured population diffusion models, *ESAIM: M2AN,* **50** (2016), 1731–1761

C21. T. Takahashi, M. Tucsnak and G. Weiss, Stabilization of a fluid-rigid body system, *J. Differential Equations,* **259** (2015), 6459–6493.

C22. J. San Martin, T. Takahashi and M. Tucsnak, An optimal control approach to ciliary locomotion, *Mathematical Control and related fields*, **6** (2016), 293–334.

C23. N. Cındea, S. Micu, I. Roventa and M. Tucsnak, Particle supported control of a fluid-particle system, *Journal de Mathématiques Pures et Appliquées,* **104** (2015), 311–353.

C24. M. Tucsnak and G. Weiss, From exact observability to identification of singular sources, *Mathematics of Control, Signals, and Systems*, **27** (2015), 1-21.

C25. M. Tucsnak and G. Weiss, Well-posed systems-The LTI case and beyond, *Automatica*, **50** (2014), 1757–1779.

C26. J. Daafouz, M. Tucsnak and J. Valein, Nonlinear control of a coupled PDE/ODE system modeling a switched power converter with a transmission line, *Systems Control Lett.*, **70** (2014), 92–99.

C27. J. Lohéac and M.Tucsnak, Maximum principle and bang-bang property of time optimal controls for Schrödinger-type systems, *SIAM J. Control Optim.*, **51** (2013), 4016–4038.

C28. M. Tucsnak, Weak stability of the solutions of a fluid-rigid body problem, *Ann. Univ. Buchar. Math. Ser.* 4**, LXII** (2013), 105–112.

C29. J. Lohéac, J.-F. Scheid and M. Tucsnak, Controllability and time optimal control for low Reynolds numbers swimmers, *Acta Appl. Math.*, **123** (2013), 175–200.

C30. Y. Liu, T. Takahashi and M. Tucsnak, Single input controllability of a simplified fluid-structure interaction model, *ESAIM COCV,* **19** (2013), 20-42.

C31. F. M. Hante, M. Sigalotti and M. Tucsnak, On conditions for asymptotic stability of dissipative infinite-dimensional systems with intermittent damping, *Journal of Differential Equations*, **252** (2012), 5569–5593.

C32. Y. Liu, T. Takahashi and M. Tucsnak, Strong solutions for a phase field Navier-Stokes vesicle-fluid interaction model, *Journal of Mathematical Fluid Mechanics*, **14** (2012), 25-49.

C33. S. Micu, I. Roventa and M. Tucsnak, Time optimal boundary controls for the heat equation. *J. Funct. Anal.*, **263** (2012), 25–49.

C34. G. Tenenbaum and M. Tucsnak, On the null-controllability of diffusion equations, *ESAIM COCV*, **17** (2011), 1088-1100.

C35. N. Cindea, S. Micu and M. Tucsnak, An approximation method for exact controls of vibrating systems, *SIAM Journal of Control and Optimization*, **49** (2011), 1283-1305.

C36. M. Gugat and M. Tucsnak, An example for the switching delay feedback stabilization of an infinite dimensional system: the boundary stabilization of a string, *Systems Control Letters*, **60** (2011), 226—233.

C37. S. Necasova, T. Takahashi and M. Tucsnak, Weak solutions for the motion of a self-propelled deformable structure in a viscous incompressible fluid, *Acta Aplicanda Mathematicae*, **116** (2011), 329–352.

C38. K. Ito, K. Ramdani and M. Tucsnak, A time reversal based algorithm for solving initial data inverse problems, *Discrete and Continuous Dynamical Systems, series S*, **4** (2011), 641-652.

C39. J. Houot, J. San Martin and M. Tucsnak, Existence of solutions for the equations modeling the motion of rigid bodies in an ideal fluid, *Journal of Functional Analysis*, **259** (2010), 2856-2885.

C40. K. Ramdani, M. Tucsnak and G. Weiss, Recovering the initial state of an infinite-dimensional system using observers, *Automatica*, **46** (2010), 1616-1625.

C41. N. Cindea and M. Tucsnak, Local exact controllability for Berger plate equation, *Math. Control Signals Systems*, **21** (2009), 93-110.

C42. M. Tucsnak and M. Vanninathan, Locally distributed control for the Helmholtz model of fluid-structure interaction, *Systems and Control Letters*, **58** (2009), 547-552.

C43. G. Tenenbaum and M. Tucsnak, Fast and strongly localized observation for the Schrödinger equation, *Transactions of the American Mathematical Society*, **361** (2009), 951-977.

C44. C. Alvez, A. Leonor Silvestre, T.Takahashi and M. Tucsnak, Solving inverse source problems using observability, *SIAM Journal of Control and Optimization*, **48** (2009), 1632-1659.

C45. J. San Martin, J.-F. Scheid, T. Takahashi and M. Tucsnak, An Initial and boundary value problem modeling of fish-like swimming, *Archive for Rational Mechanics and Analysis*, **188** (2008), 429-455.

C46. G. Tenenbaum and M. Tucsnak, New blow-up rates of fast controls for the Schrödinger and heat equations, *Journal of Differential Equations*, **243** (2007), 70-100.

C47. J. San Martin, T. Takahashi and M. Tucsnak, A control theoretic approach to the swimming of microscopic organisms, *Quarterly of Applied Mathematics*, **65** (2007), 405-424.

C48. K. Ramdani, T. Takahashi and M. Tucsnak, Uniformly exponentially stable approximations for a class of second order evolution equations, *ESAIM COCV*, **13** (2007), 503-527.

C49. K. Ramdani, T. Takahashi and M. Tucsnak, Internal stabilization of the plate equation in a square: the continuous and the semi-discretized problems, *Journal de Mathématiques Pures et Appliquées*, **85** (2006), 17-37.

C50. P. Cumsille and M. Tucsnak, Wellposedness for the Navier-Stokes flow in the exterior of a rotating obstacle, *Mathematical Methods in the Applied Sciences*, **29** (2006), 595-623.

C51. J. San Martin, J.-F. Scheid, T. Takahashi and M. Tucsnak, Convergence of the Lagrange-Galerkin method for the Equations Modeling the Motion of a Fluid-Rigid System, *SIAM J. on Numerical Analysis*, **43** (2005), 1536-1571.

C52. S. Micu et M. Tucsnak, Approximate controllability of a semi-discrete 1-D wave equation, *An. Univ.*
Craiova Ser. Mat. Inform., **32** (2005), 48-58.

C53. K. Ramdani, T. Takahashi, G. Tenenbaum and M. Tucsnak, A spectral approach for the exact observability of infnite-dimensional systems with skew-adjoint generator, *Journal of Functional Analysis*, **226** (2005), 193-229.

C54. T. Takahashi and M. Tucsnak, Global strong solutions for the two-dimensional motion of an infinite cylinder in a viscous fluid, *J. of Math. Fluid Mechanics*, **6** (2004), 53-77.

C55. R. Benavides Guzman and M. Tucsnak, Energy decay estimates for the damped plate equation with a local degenerated dissipation, *Systems and Control Letters*, **48** (2003), 191-197.

C56. G. Weiss and M. Tucsnak, How to get a conservative linear system out of thin air; part I, *ESAIM COCV*, **9** (2003), 247-274.

C57. M. Tucsnak and G. Weiss, How to get a conservative linear system out of thin air; part II, *SIAM Journal on Control*, **42** (2003), 907-935.

C58. J. San Martin, V. Starovoitov and M. Tucsnak, Global weak solutions for the two dimensional motion of several rigid bodies in an incompressible viscous fluid, *Archive for Rational Mechanics and Analysis*, **161** (2002), 113-147.

C59. K. Ammari, Z. Liu and M. Tucsnak, Decay rates for a beam with pointwise force and moment feedback, *Mathematics of Control, Signals, and Systems*, **15** (2002), 177-201.

C60. G. Weiss, O. Staffans and M. Tucsnak, Well-posed linear systems -a survey with emphasis on conservative systems, *Applied mathematics and computer science*, **11** (2001), 101-127

C61. S. Avdonin and M. Tucsnak, Simultaneous controllability in sharp time for two elastic strings, *ESAIM COCV*, **6** (2001), 259-274.

C62. K. Ammari, A.Henrot and M. Tucsnak, Asymptotic behavior of solutions and optimal location of the actuator for the pointwise stabilization of a string, *Asymptotic Analysis*, **28** (2001), 215-240.

C63. K. Ammari and M. Tucsnak, On the stabilization of a class of second order equations, *ESAIM COCV*, **6** (2001), 361-386.

C64. K. Ammari and M. Tucsnak, Pointwise stabilization of a Bernoulli-Euler beam by means of a force feedback, *SIAM J. Control Optim.*, **39** (2000), 1160-1181.

C65. C. Conca, J. San Martin and M. Tucsnak, Weak solutions of the equations modeling the motion of a rigid body in a viscous fluid, *Comm. Partial Differential Equations*, **25** (2000), 1019-1042.

C66. M. Tucsnak and G. Weiss, Simultaneous controllability and some applications, *SIAM J. Control Optim.*, **38** (2000), 1408-1427.

C67. S. Jaffard, M. Tucsnak and E. Zuazua, Singular internal stabilization of the wave equation, *Journal of Differential Equations*, **145** (1998), 184-215.

C68. S.Jaffard, M. Tucsnak and E. Zuazua, On a theorem of Ingham, *J. Fourier Anal. Appl.*, **3** (1997), 577-582.

C69. S.Jaffard and M. Tucsnak, Regularity of plate equations with control concentrated in interior curves, *Proc. Roy. Soc. Edinburgh Sect. A*, **127** (1997), 1005-1025.

C70. D. Tataru and M. Tucsnak, On the Cauchy problem for the full von Kármán system, *Nonlinear Differential Equations Appl.*, **4** (1997), no.3, 325-340.

C71. J.P. Puel and M. Tucsnak, Global existence for the full von Karman system, *Applied Mathematics and Optimization*, **34** (1996), 139-160.

C72. M. Tucsnak, Semi-internal stabilization for a nonlinear Bernoulli-Euler equation, *Mathematical Methods in the Applied Sciences*, **19** (1996), 897-907.

C73. M. Tucsnak, Regularity and exact controllability for a beam with piezoelectric actuator, *SIAM J. Control Optim.*, **34** (1996), 922-930.

C74. M. Tucsnak, Control of plate vibrations by means of piezoelectric actuators, *Discrete and Continuous Dynamical Systems*, **2** (1996), 281-293.

C75. J.P. Puel and M. Tucsnak, Boundary stabilization of the von Kármàn equations, *SIAM Journal on Control*, **33** (1995), 255-273.

C76. M. Tucsnak, Boundary stabilization for the stretched string equation, *Differential and Integral Equations*, **6** (1993), 925-935.

C77. M. Tucsnak, Régularité frontière pour les équations de von Kármàn, *Annales de Sciences Mathématiques du Québec*, **16** (1992), 211-219.

C78. M.Tucsnak, Global existence and uniqueness for a class of quasilinear hyperbolic equations, *Rivista di Matematica Pura ed Aplicata*, **10** (1992), 25-38.

C79. M. Tucsnak, Exact controllability for a beam subjected to a variable end thrust, *Bollettino U.M.I.,* **5-A** (1991), 215-221.

C80. On an initial and boundary value problem for the nonlinear Timoshenko beam, *An.Acad.Bras.Ci.*, **63** (1991), 115-125.

C81. M. Tucsnak, Buckling of nonlinearly elastic rods immersed in a fluid, *Bull. Math. de la Soc. Sci. Math. De Roumanie*, **34** (1989), 173-181.

C82. G.Sebe and M. Tucsnak, Spatial buckled states for immersed rods, *Int. J. Engng. Sci.*, **27** (1989), 503-513.

C83. I.R. Ionescu and M. Tucsnak, A singular perturbation problem for the heat equation in two phases media, *Rev. Roumaine de Math. Pures et Appl.*, **34** (1989), 537-544.

C84. G.Sebe and M. Tucsnak, The influence of a perfect fluid on the critical loading of a rod immersed in it, *Bull.Math. de la Soc.Sci.Math.de Roumanie,* **33** (1988), 355-361.

C85. C. Popescu, E. Segal, M. Tucsnak and C. Oprea, On the temperature integral in nonisothermal kinetics with linear heating rate, *Termochimica Acta*, **107** (1986), 365-370.

C86 C. Popescu, E. Segal, M. Tucsnak and C. Oprea, The temperature integral, *Termochimica Acta*, **121**, (1987), 487-489.

C87. M. Tucsnak, The displacement boundary value problem in the statistical theory of composite materials, *Rev. Roum. Sci. Techn. -Mec. Appl.*, **31** (1986), 539-548.

C88. M. Tucsnak, A new proof of Cauchy's theorem, *Studii si Cercetari de Mecanica Aplicata,* **43** (1984), 279-282.

Conference Proceedings:

D1. G. Vergara-Hermosilla, D. Matignon, M. Tucsnak, Well-Posedness and input-output stability for a system modelling rigid structures floating in a viscous fluid, *IFAC-PapersOnLine* **53** (2), 7491-7496.

D2. S. Singh, G. Weiss and M Tucsnak, Non-linear damping for scattering-passive systems in the Maxwell class, *IFAC-PapersOnLine* **53** (2), 7458-7465.

D3. D. Maity and M. Tucsnak, Lp-Lq maximal regularity for some operators associated with linearized incompressible fluid-rigid body problems Selected Recent Results, in *Mathematical analysis in fluid mechanics—selected recent results,* 175–201, Contemp. Math., 710, Amer. Math. Soc., Providence, RI, 2018.

D4. N. Cîndea and M. Tucsnak, Local exact controllability for the Berger equation, in *Control and optimization of partial differential equations*, 73-83, Internat. Ser. Numer. Math., Birkhaüser, vol. 158, Basel, 2009.

D5. K. Ammari, G. Tenenbaum et M. Tucsnak, A sharp geometric condition for the boundary exponential stabilizability of a square plate by moment feedbacks only, in *Control of Coupled Partial Differential Equations*, 1-11, Internat. Ser. Numer. Math., Vol. 155, Birkhäuser, Basel, 2007.

D6. K. Ramdani, T. Takahashi et M. Tucsnak, A uniformly stable finite difference space semi-discretization for the internal stabilization of the plate equation in a square, in *Numerical Mathematics and Advanced Applications*, 1068-1076, Springer, Berlin, 2006.

D7. M. Tucsnak and G. Weiss, Well-posedness and exact controllability of coupled boundary control systems, in *Proceeedings of the UKACC Conference*, Cambridge, 2000;

D8. M. Tucsnak, Exact controllability for a hyperbolic equation with time dependent coefficients, in *Differential Equations and Control theory (Iasi, 1990)*, 335-341, Pitman Res. Notes Math. Ser, 250, Longman Sci. Tech., Harlow, 1991.

D9. M. Tucsnak, On the pointwise stabilization of a string, in *Control and Estimation of Distributed Parameter Systems (Vorau 1996)*, 287-295, International Series of Numerical Mathematics, Vol. 126, Basel, 1998.