

Publications de Dorothee Normand-Cyrot

les auteurs sont indiqués par ordre alphabétique avec les thésards en tête

Articles de journaux/Refereed Journal Articles

- [A64] A. MORESCHINI, M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2020) Stabilization of discrete port-Hamiltonian dynamics via interconnection and damping assignment, *L-CSS, IEEE Control Systems Letters* (see 59th IEEE-CDC 2020).
- [A63] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2019) Forwarding stabilization in discrete time, *Automatica*, Elsevier, 109, November 2019, /j.automatica.2019.108532 .
- [A62] M. MATTIONI, M. HASSAN, S. MONACO AND D. NORMAND-CYROT (2019) On partially minimum phase systems and disturbance decoupling with stability, *Nonlinear Dynamics*, Springer Nature B.V. <https://doi.org/10.1007/s11071-019-04999-3>.
- [A61] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2019) On the zero-dynamics of a class hybrid LTI systems: a geometric approach, *L-CSS, IEEE Control Systems Letters*, , pp. ; (accepted IEEE-CDC 2019).
- [A60] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2019) Feedforwarding under sampling; *IEEE Trans. on AC*, DOI: 10.1109/TAC.2019.2902666.
- [A59] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2018) Reduction of Discrete-Time Two-Channel Delayed Systems, *L-CSS, IEEE Control Systems Letters*, **2**, Issue: 3, pp. 339 - 344; (accepted IEEE-CDC 2018).
- [A58] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2018) Nonlinear discrete-time systems with delayed control: a reduction, *Systems and Control Letters* **114**, april 2018, pp. 31-37; <https://doi.org/10.1016/j.sysconle.2018.02.007>
- [A57] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2017) Sampled-data reduction of nonlinear input-delayed dynamics; *L-CSS, IEEE Control Systems Letters*, **1**, Issue: 1, pp. 116-121; (accepted IEEE-CDC 2017).
- [A56] M. MATTIONI, S. MONACO AND D. NORMAND-CYROT (2017) Immersion and invariance stabilization of strict-feedback dynamics under sampling, *Automatica*; **76**, pp.78-86; doi.org/10.1016/j.automatica.2016.10.009.
- [A55] S. MONACO, D. NORMAND-CYROT AND M. MATTIONI (2017) Sampled-data stabilization of nonlinear dynamics with input delays through immersion and invariance, *IEEE Trans. on AC*, **62**,5, DOI: 10.1109/TAC.2016.2601302.
- [A54] V. TANASA, S. MONACO AND D. NORMAND-CYROT (2016), Backstepping control under multi-rate sampling. *IEEE Trans. on AC*, **61**, 5, pp. 1208-1222; DOI: 10.1109/TAC.2015.245389.
- [A53] S. MONACO AND D. NORMAND-CYROT (2015), On optimality of passivity based controllers in discrete-time, *Systems and Control Letters*, **75**, pp. 117-123; doi.org/10.1016/j.sysconle.2014.10.002.
- [A52] M. HILAIRET, O. BETHOUX, M. GHANES, V. TANASA, J-P. BARBOT AND D. NORMAND-CYROT (2015), Experimental validation of a sampled-data passivity-based controller for coordination of converters in a fuel cell system, *IEEE Trans. on Industrial Electronics*, **62**, 8, pp. 55187-5195; DOI: 10.1109/TIE.2014.2362497.
- [A51] M. KHANCHOUL, M. HILAIRET AND D. NORMAND-CYROT (2014), A Passivity-based controller under low sampling for speed control of PMSM, *Control Engineering Practice*, **26**, pp. 20-27; doi.org/10.1016/j.conengprac.2013.12.013.

- [A50] M. HILAIRET, M. GHANES, O. BETHOUX, V. TANASA, J-P. BARBOT AND D. NORMAND-CYROT (2013), A passivity-based controller for coordination of converters in a fuel cell system, *Control Engineering Practice*, **21**, 8, pp. 1097-1109. Control Engineering Practice Paper Prize for 2011-2013; one of three best papers;doi.org/10.1016/j.conengprac.2013.04.003.
- [A49] F. MAZENC AND D. NORMAND-CYROT (2013), Reduction model approach for linear systems with sampled delayed inputs, *IEEE Trans. on AC*, **58**, 5, pp. 1263-1268;DOI: 10.1109/TAC.2013.2254193.
- [A48] S. MONACO, D. NORMAND-CYROT (2011) Nonlinear average passivity and stabilizing controllers in discrete time, *Systems and Control Letters*, **60**, pp. 431-439.
- [A47] S. MONACO, D. NORMAND-CYROT AND F. TIEFENSEE (2011) Sampled-data stabilizing feedback: a PBC approach, *IEEE Trans. on AC*, **56**, 4, pp. 907-912.
- [A46] C. CALIFANO, S. MONACO AND D. NORMAND-CYROT (2009) Canonical observer forms for multi-output systems up to coordinates changes and output transformations in discrete time, *Automatica*, **45**, 11, pp. 2483-2490.
- [A45] D. NORMAND-CYROT (2009) Interview People in Control, *IEEE Control Systems Magazine*, août.
- [A44] S. MONACO, D. NORMAND-CYROT AND C. CALIFANO (2007) From chronological calculus to exponential representations of continuous and discrete-time dynamics: a Lie algebraic approach, *IEEE Trans. on AC*, **52**, pp. 2227-2241.
- [A43] S. MONACO, D. NORMAND-CYROT (2007) Advanced Tools for Nonlinear Sampled-Data Systems' Analysis and Control, Mini-Tutorial, ECC-07, Kos, Invited Paper, Special Issue "Fundamental Issues in Control", *European Journal of Control*, **13-2,3**, Hermès Sciences, Paris, pp. 221-241.
- [A42] S. MONACO AND D. NORMAND-CYROT (2006) Normal forms and approximated feedback linearization in discrete time, *Systems and Control Letters*, **55-1**, pp. 71-80.
- [A41] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (2005) Nonlinear noninteracting control with stability in discrete time, a dynamic solution, *International Journal of Control*, **78-6**, pp. 443-459.
- [A40] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (2003) On the observer design in discrete time nonlinear systems, *Systems and Control Letters*, **49**, pp. 255-265.
- [A39] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (2002) Nonlinear noninteracting control with stability in discrete time, a geometric approach, *International Journal of Control*, **75-1**, pp. 11-22.
- [A38] B. HAMZI, J.-P. BARBOT, S. MONACO, AND D. NORMAND-CYROT (2001) Nonlinear discrete-time control of systems with a Naimark-Sacker bifurcation, *Systems and Control Letters*, **44-4**, pp. 245-258,.
- [A37] S. MONACO AND D. NORMAND-CYROT (2001) Issues on nonlinear digital systems, Semi-Plenary Conference, ECC-01, Porto, Invited Paper, Special Issue, *European Journal of Control*, **7**, 2 -3, pp. 160-178, Hermès Sciences, Paris.
- [A36] V. FROMION, S. MONACO, D. NORMAND-CYROT (2001) The weighted incremental norm approach: from linear to nonlinear H-infinity control, *Automatica*, **37**, pp. 1585-1592.
- [A35] S. MONACO, D. NORMAND-CYROT AND A. MADANI (2000) A backstepping-like approach to adaptive control in discrete time, *European Journal of Control*, **6**, 4, pp. 298-322, Hermès Sciences, Paris.
- [A34] P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (2000) A hybrid control scheme for maneuvering space multybody structures, *AIAA Journal of Guidance, Control and Dynamics*, **23**, 2, pp. 231-240.

- [A33] S. DI GENNARO, S. MONACO, D. NORMAND-CYROT (1999) A nonlinear digital scheme for attitude tracking, *AIAA Journal of Guidance, Control and Dynamics*, **22**, 3, pp. 467–477.
- [A32] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (1999) On the problem of feedback linearization, *Systems and Control Letters*, **36**, 1, pp. 61–67.
- [A31] J.-P. BARBOT, S. MONACO, D. NORMAND-CYROT (1999) Discrete-time approximated linearization of SISO systems under output feedback, *IEEE Trans. on AC*, **44**, 13, pp.1729–1734.
- [30] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (1998) On the discrete-time normal form, *IEEE Trans. on AC*, **43**, 11, pp.1654–1658.
- [A29] A. K. CHELOUAH, S. MONACO AND D. NORMAND-CYROT (1997) Digital nonlinear speed regulation of a synchronous motor, *Automatika i Telemekhanika*, **6**, pp.143–158.
- [A28*] S. MONACO, D. NORMAND-CYROT (1997) A unifying representation for nonlinear discrete-time and sampled dynamics, *Journal of Mathematical Systems, Estimation and Control*, **4**, 7, pp. 477–503; résumé (1995) **5**, 1, pp. 103–106.
- [A27] B. CASTILLO, S. DI GENNARO, S. MONACO, D. NORMAND-CYROT (1997) On regulation under sampling, *IEEE Trans. on AC*, Vol. 42, 6, pp 864–868.
- [A26] J.-P. BARBOT, S. MONACO, D. NORMAND-CYROT (1997) Quadratic forms and approximate feedback linearization in discrete time, *International Journal on Control*, Vol. 67, 4, pp 567–586.
- [A25] J.-P. BARBOT, S. MONACO, D. NORMAND-CYROT (1996) A sampled normal form for feedback linearization, *Mathematics Control Signal and Systems*, **9**, pp. 162–188.
- [A24] H. GUILLARD, S. MONACO, D. NORMAND-CYROT (1996) On H-infinity control of discrete-time nonlinear systems, *Robust and Nonlinear Control*, **6**, pp. 633–643.
- [A23] V. FROMION, S. MONACO, D. NORMAND-CYROT (1996) Asymptotic properties of incrementally stable systems, *IEEE Trans. on AC*, vol. 41, **5**, pp. 721–723, 1996.
- [A22] V. FROMION, S. MONACO, D. NORMAND-CYROT (1996) A link between input-output stability and Lyapunov stability, *Systems and Control Letters*, **27**, pp. 243–248.
- [A21] V. FROMION, S. MONACO, D. NORMAND-CYROT (1996) Robustness and stability of LPV plants through frozen systems analysis, *Int. Journal of Robust and Nonlinear Control*, **6**, pp. 235–248.
- [A20] H. GUILLARD, S. MONACO AND D. NORMAND-CYROT (1995) Approximated solution to nonlinear discrete-time H-infinity control, *IEEE Trans. on AC*, Vol. 40, **12**, pp. 2143–2148.
- [A19] S. MONACO, D. NORMAND-CYROT (1995) A unifying representation for nonlinear discrete-time and sampled dynamics, *Journal of Mathematical Systems, Estimation and Control*, **5**, 1, pp. 103–106.
- [A18] J.-P. BARBOT, N. PANTALOS, S. MONACO, D. NORMAND-CYROT (1994) On the control of regularly ϵ -perturbed nonlinear systems, *Internat. J. of Control*, **59**, 5, pp. 1255–1279.
- [A17] B. CASTILLO, S. DI GENNARO, S. MONACO, D. NORMAND-CYROT (1993) Nonlinear regulation for a class of discrete-time systems, *Systems and Cont. Letters*, **20**, pp. 57–65.
- [A16] S. MONACO AND D. NORMAND-CYROT (1984, 1989) Functional expansions for nonlinear discrete time systems, *Math. Syst. Th.*, **21**, pp. 235–254. Développements fonctionnels pour les systèmes non linéaires en temps discret, *Rapport CNR*, Rome, 1984.
- [A15] S. MONACO, D. NORMAND-CYROT (1989) Zero dynamics of sampled nonlinear systems, *Syst. and Cont. Letters*, **11**, pp. 229–234.

- [A14] S. MONACO, D. NORMAND-CYROT (1987) Finite Volterra series realizations and input output approximations of nonlinear discrete time systems, *Int. J. of Cont.*, **45**, 5, pp. 1771–1787.
- [A13] H. DANG VAN MIEN, F. DEBLON, D. NORMAND-CYROT (1986) Techniques d’identification non linéaire de la mécanique de vol d’un hélicoptère, dans *Automatique pour l’Aéronautique*, Cepadues Eds., pp. 357–368.
- [A12] S. MONACO, D. NORMAND-CYROT (1986) Approximation entrée sortie d’un système non linéaire continu par un système discret, dans *Lect. Notes in Cont. and Info. Sciences*, (A.Bensoussan et J.L.Lions, Eds.) Springer-Verlag, pp. 354–367.
- [A11] S. MONACO, D. NORMAND-CYROT (1986) Invariant distributions under sampling, dans *Theory and Applications of Nonlinear Control Systems*, (C.I. Byrnes et A. Linquist, Eds.) North Holland, pp. 215–221.
- [A10] S. MONACO, D. NORMAND-CYROT (1986) A Lie exponential formula for the nonlinear discrete time functional expansions, dans *Theory and Applications of Nonlinear Control Systems* (C.I. Byrnes and A. Linquist, Eds.) North Holland, pp. 205–213.
- [A09] S. MONACO, D. NORMAND-CYROT (1986) Nonlinear systems in discrete time, Invited Paper, dans *Algebraic and Geometric Methods in Nonlinear Control Theory*, (M. Fliess and Hazenwinkel, Eds.), D. Reidel Publishing Company, pp. 441–430.
- [A08] S. MONACO, D. NORMAND-CYROT (1984) Invariant distributions for nonlinear discrete time systems, *Syst. and Contr. Lett.*, **5**, pp. 191–196.
- [A07] B. JAKUBCZYK, D. NORMAND-CYROT (1984) Orbites de pseudo groupes de difféomorphismes et commandabilité des systèmes non linéaires en temps discret, *C.R. Acad. Sc.*, Paris, **298**, I, nr. 11, pp. 257–260.
- [A06] S. MONACO, D. NORMAND-CYROT (1984) On the realization of nonlinear discrete time systems, *Syst. and Contr. Lett.*, **5**, pp. 145–152.
- [A05] H. DANG VAN MIEN, D. NORMAND-CYROT (1980, 1984) Nonlinear state affine identification methods; application to electrical power plants, Invited Paper, *Proc. IFAC Symp. on Aut. Cont. Power Generation and Protection*, Pretoria, pp. 449–462, 1980. *Automatica*, **20**, nr. 2, pp. 175–188.
- [A04] S. MONACO, D. NORMAND-CYROT (1983) On the immersion of a discrete time polynomial analytic system into a polynomial affine one, *Syst. and Contr. Lett.*, **3**, pp. 83–90.
- [A03] S. MONACO, D. NORMAND-CYROT (1983) The immersion under feedback of a multidimensional discrete time nonlinear system into a linear system, *Int. J. of Control*, **38**, pp. 245–261.
- [A02] M. FLIESS, D. NORMAND-CYROT (1981) A Lie theoretic approach to nonlinear discrete time controllability via Ritt’s formal differential groups, *Syst. and Contr. Lett.*, **1**, pp. 179–183.
- [A01] D. NORMAND-CYROT (1978) Utilisation de la formule de Kwakernaak en temps discret, pour la résolution d’un problème de filtrage non linéaire, *C.R. Acad. Sc.*, Paris, **A 287**, pp. 93–96.

Actes de conférences édités en ouvrages/ Articles de synthèse publiés dans des ouvrages /Book Chapters

- [B31] S.MONACO, D. NORMAND-CYROT AND M. MATTIONI (2018) Nonlinear sampled-data stabilization with delays; special issue "Delays and Interconnections: Methodology, Algorithms and Applications" (G Valmorbida, R Sipahi, I Boussaada and A Seuret eds); in "Advances on Delays and Dynamics" Springer, ISBN-10: 3030115534 ISBN-13: 978-3030115531.

- [B30] G. MATTEI, P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (2014/2015) Lyapunov Based Attitude Stabilization of an Underactuated Spacecraft with Flexibilities, Proc. *2nd IAA-AAS Conference on Dynamics and Control of Space Systems DyCoSS2 2014*, Rome, Italie. in *Advances in the Astronautical Sciences*, Vol. 153, pp. 1073-1090.
- [B29] G. MATTEI, A. CARLETTI, P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (2014/2015) Adaptive Robust Redesign of Feedback Linearization for a Satellite with Flexible Appendages Proc. *2nd IAA-AAS Conference on Dynamics and Control of Space Systems DyCoSS2 2014*, Rome, Italie. in *Advances in the Astronautical Sciences*, Vol. 153, pp. 685-697.
- [B28] S. MONACO, D. NORMAND-CYROT (2009) Méthodologies d'Analyse et de Synthèse pour les Systèmes Echantillonnés, Conférence Plénière *CIFA '08*, Bucarest, Roumanie, 3-5 sept., dans *Automatique Avancée et Informatique Appliquée* (P. Borne, M. Benrejeb, F. Filip, D. Popescu Eds) Editions de l'Académie de Roumanie, pp. 33-48.
- [B27] S. MONACO, D. NORMAND-CYROT (2009) Linearization by output injection under approximate sampling in "Nonlinear Discrete-Time or Sampled-Data Observers", *Special Issue European Journal of Control* S. Monaco and D. Normand-Cyrot Eds, **15**, Hermès, Lavoisier, Paris, pp. 205-217.
- [B26] S. MONACO, D. NORMAND-CYROT (2008) Controller and observer normal forms in discrete time in *Analysis and design of Nonlinear Control Systems*, A. Astolfi and L. Marconi Eds, Springer-Verlag, pp. 377-396.
- [B25] A. GAUTIER, J.L. THOMAS, S. POUILLAIN S. MONACO, D. NORMAND-CYROT (2001) Commande non linéaire en temps discret de la machine asynchrone, dans *Optimisation, discrétisation et observateurs, Commande des moteurs asynchrones 2*, (C. Canudas de Wit Ed.) pp. 111-139 Hermès, Paris.
- [B24] S. MONACO, D. NORMAND-CYROT (1999) Nonlinear representations and passivity conditions in discrete-time, in *Robustness in Identification and Control*, Lecture Notes in Cont. and Info. Sciences, (A. Garulli, A. Tesi and A. Vicino, Ed.) pp. 422-433, Springer.
- [B23] S. MONACO, D. NORMAND-CYROT (1998) Nonlinear discrete-time representations, a new paradigm, Invited Paper, in *Perspectives in Control, a tribute to Ioan Doré Landau (D. Normand-Cyrot, Ed.)* pp. 191-205, Springer, Londres.
- [B22] S. MONACO, D. NORMAND-CYROT (1997) On Nonlinear Digital Control in *Nonlinear Systems - Control* **3**, (A.J. Fossard et D. Normand-Cyrot, Eds.) Chapman & Hall, Londres, pp. 127-155.
- [B21] J.P. BARBOT, M. DJEMAI, S. MONACO AND D. NORMAND-CYROT (1996) Analysis and control of nonlinear singularly perturbed systems under sampling, *Control and Dynamic Systems, Advances in Theory and Applications*, (Leondes Ed.) Academic Press Inc., pp. 203-246.
- [B20] J.-P. BARBOT, N. PANTALOS, S. MONACO, D. NORMAND-CYROT (1992, 1993) On the control of singularly perturbed systems, in *Nonlinear Control Systems Design*, (M. Fliess, Ed.) Pergamon Press, Oxford, pp. 289-294.
- [B19] S. MONACO, D. NORMAND-CYROT (1993) Quelques Eléments sur la Commande Numérique Non Linéaire, in *Systèmes Non Linéaires*, vol. 3, A.J. Fossard et D. Normand-Cyrot, Eds., Masson, Paris, pp. 111-136.
- [B18] S. MONACO, D. NORMAND-CYROT (1992) Canonical representation for nonlinear digital control, in *Models and Feedback Theory and Applications*, (A. Isidori et T.J. Tarn, Eds.) Birkhäuser, Boston, pp. 153-167.
- [B17] S. MONACO, D. NORMAND-CYROT (1991) Multirate sampling and zero dynamics from linear to nonlinear, in *Nonlinear Synthesis*, (C.I. Byrnes et A. Kurzhansky, Eds.) Birkhäuser, Boston, pp. 200-213.

- [B16] S. MONACO, D. NORMAND-CYROT (1990) A combinatorial approach to the nonlinear sampling problem, in *Lect. Notes in Control and Info. Sciences*, **144**, (M.Thoma et A.Wymer, Eds.) Springer-Verlag, pp. 788–797.
- [B15] S. MONACO, D. NORMAND-CYROT (1989) Nonlinear decoupling in discrete time, dans *Nonlinear Control Systems Design*,(A.Isidori, Ed.) Pergamon Press, Oxford, pp. 99–106.
- [B14] S. MONACO, D. NORMAND-CYROT (1988) Sur la commande digitale d’un système non linéaire déphasage minimal, dans *Lect. Notes in Cont. and Info. Sciences*,(A.Bensoussan et J.L.Lions, Eds.) Springer-Verlag, pp. 193–204.
- [B13] S. MONACO, D. NORMAND-CYROT (1986) Approximation entrée sortie d’un système non linéaire continu par un système discret, dans *Lect. Notes in Cont. and Info. Sciences*, (A.Bensoussan et J.L.Lions, Eds.) Springer-Verlag, pp. 354–367.
- [B12] S. MONACO, D. NORMAND-CYROT (1986) Invariant distributions under sampling, dans *Theory and Applications of Nonlinear Control Systems*,(C.I. Byrnes et A. Linquist, Eds.) North Holland, pp. 215–221.
- [B11] S. MONACO, D. NORMAND-CYROT (1986) A Lie exponential formula for the nonlinear discrete time functional expansions, dans *Theory and Applications of Nonlinear Control Systems* (C.I. Byrnes and A. Linquist, Eds.) North Holland, pp. 205–213.
- [B10] S. MONACO, D. NORMAND-CYROT (1986) Nonlinear systems in discrete time, Invited Paper, dans *Algebraic and Geometric Methods in Nonlinear Control Theory*,(M. Fliess and Hazenwinkel, Eds., D. Reidel Publishing Company, pp. 441–430.
- [B9] S. MONACO, D. NORMAND-CYROT (1984) Sur la commande non interactive des systèmes non linéaires en temps discrets, *Lect. Notes in Cont. and Info. Sciences*, **63**,(A.V. Balakrishnan et M. Thoma, Eds.) Springer-Verlag, pp. 364–377.
- [B8] S. MONACO , D. NORMAND-CYROT (1984) Input-Output Maps of Nonlinear Discrete-Time Systems, in *Encyclopedia of Systems and Control*, Pergamon Press.
- [B7] M. FLIESS, D. NORMAND-CYROT (1984) On the Approximation of Nonlinear Systems by Some Simple State-Space Models, in *Encyclopedia of Systems and Control*, Pergamon Press.
- [B6] D. NORMAND-CYROT (1982) Une condition de réalisation par systèmes état affine discrets, in *Lect. Notes in Cont. and Info. Sciences*, **44**, (A.V. Bensoussan et J.L. Lions, Eds.) Springer-Verlag, pp. 88-98.
- [B5] S. MONACO, D. NORMAND-CYROT (1982) Sur la subordination d’un système non linéaire discret un système linéaires, Invited Paper, in *Outils et Modèles Mathématiques pour l’Automatique l’Analyse des Systèmes et le Traitement du Signal*, (I.D. Landau Ed.) CNRS Paris, pp. 609–621.
- [B4] M. FLIESS, D. NORMAND-CYROT (1982) Identification par modèles état affine et applications aux centrales électriques, Invited Paper, in *Outils et Modèles pour l’Automatique, l’Analyse des Systèmes et le Traitement du Signal*, (I.D. Landau Ed.) pp. 409–417, CNRS, Paris.
- [B3] M. FLIESS, D. NORMAND-CYROT (1980, 1982) Algèbres de Lie nilpotentes, formule de Baker-Campbell-Hausdorff et intégrales itérées de K.T. Chen, Invited Paper, in *Séminaire de Probabilités, 1980-1981*, **16**, *Lect. Notes in Math.*, (J. Azema et M. Yor, Eds.) Springer-Verlag, pp. 257–267.
- [B2] H. DANG VAN MIEN, D. NORMAND-CYROT (1980) A non linear identification method by using a polynomial generalization of regular or bilinear systems, Invited Paper, in *Advances in Cont.*, D.G. Lainotis et N.S. Tzannes, Eds., Reidel Company, pp. 300–307.
- [B1] M. FLIESS, D. NORMAND-CYROT (1980) Vers une approche algébrique des systèmes non linéaires en temps discret, in *Lect. Notes in Cont. and Info. Sciences*, **18**, A. Bensoussan et J.L. Lions, Eds., Springer-Verlag, pp. 594–603.

Articles de conférences avec publication des actes et révision des articles / Refereed Conference Articles

- [C112] M. ELOBAID, M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2020) On the right-inversion of partially minimum-phase systems: case study, accepted 59th IEEE-CDC 2020.
- [A64] A. MORESCHINI, M. MATTIONI, S.MONACO AND D. NORMAND-CYROT(2020) Stabilization of discrete port-Hamiltonian dynamics via interconnection and damping assignment, accepted 59th IEEE-CDC 2020, (see *L-CSS, IEEE Control Systems Letters*).
- [C111] M. MATTIONI, A. MORESCHINI , S.MONACO AND D. NORMAND-CYROT (2020) Reduction-based stabilization of nonlinear discrete-time systems through delayed state measurements. Proc. 21st IFAC World Congress in Berlin, Germany, July 12-17.
- [C110] M. ELOBAID, M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2020) Sampled-data tracking under model predictive control and multi-rate planning. Proc. 21st IFAC World Congress in Berlin, Germany, July 12-17.
- [A61] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2019) On the zero-dynamics of a class hybrid LTI systems: a geometric approach, 58th IEEE-CDC Nice; (see *L-CSS, IEEE Control Systems Letters*).
- [C109] M. MORESCHINI, M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2019) Discrete port-controlled Hamiltonian dynamics and average passivation, 58th IEEE-CDC Nice.
- [C108] M. MORESCHINI, M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2019)No. 1086, Interconnection through u -average passivity in discrete time; 58th IEEE-CDC 2019, Nice.
- [C107] M. ELOBAID M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2019) On MPC through multirate sampling; NOLCOS 2019, Vienne.
- [C106] M. MORESCHINI, S.MONACO AND D. NORMAND-CYROT (2019) Gradient and Hamiltonian dynamics under sampling; NOLCOS 2019, Vienne.
- [A59] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2018) Reduction of Discrete-Time Two-Channel Delayed Systems; 57th IEEE Conference on Decision and Control (CDC), Miami, USA (see *L-CSS IEEE Control Systems Letters [A-59]*).
- [C105] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2018) Reduction-based stabilization of time-delay nonlinear dynamics; Proc. 57th IEEE Conference on Decision and Control (CDC), Miami, USA. doi: 10.1109/CDC.2017.8264289.
- [C104] M. MATTIONI, M. HASSAN, S.MONACO AND D. NORMAND-CYROT (2017) On partially minimum phase systems and nonlinear sampled-data control; Proc. 56th IEEE Conference on Decision and Control (CDC), Melbourne, VIC, 2017, pp. 6101-6106. doi: 10.1109/CDC.2017.8264581
- [C103] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2017) Lyapunov stabilization of discrete-time feedforward dynamics, Proc. IEEE 56th Conference on Decision and Control (CDC), Melbourne, pp. 4272-4277. doi: 10.1109/CDC.2017.8264289.
- [A57] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2017) Sampled-data reduction of nonlinear input-delayed dynamics; IEEE 56th Conference on Decision and Control (CDC), Melbourne, (see *L-CSS, IEEE Control Systems Letters [A57]*).
- [C102] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2017) Further results on sampled-data stabilization of time-delayed systems, Proc. IFAC World Congress, 9-14 july, Toulouse, FR.
- [C101] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2016) Sampled-data stabilization of feedforward dynamics with Lyapunov cross-term, Proc. 55th IEEE CDC, Las Vegas, pp. 1322-1327. doi: 10.1109/CDC.2016.7798449

- [C100] S.MONACO, D. NORMAND-CYROT AND M. MATTIONI (2016) Stabilization of feedforward discrete-time dynamics through immersion and invariance, Proc. ACC, Boston, pp. 264-269. doi: 10.1109/ACC.2016.7524926
- [C99] S.MONACO AND D. NORMAND-CYROT (2015) Immersion and Invariance stabilization of nonlinear discrete-time dynamics with delays, Proc. 54th IEEE-CDC, Osaka, pp. 5049-5054; DOI: 10.1109/CDC.2015.7403009.
- [C98] M. MATTIONI, S.MONACO AND D. NORMAND-CYROT (2015) Sampled-data stabilization of a class of state-delayed nonlinear dynamics, Proc. 54th IEEE-CDC, Osaka, pp. 5695-5700;DOI: 10.1109/CDC.2015.7403113.
- [C97] S.MONACO AND D. NORMAND-CYROT (2015) Immersion and Invariance in delayed input stabilization, Proc. ECC'15, pp. 169-174, Linz, Austria. doi: 10.1109/ECC.2015.7330541.
- [C96] G. MATTEI, S. MONACO AND D. NORMAND-CYROT (2015) Multi-rate sampled-data stabilization of a class of nonlinear systems, Proc. ECC'15, pp. 975-980, Linz, Austria. doi: 10.1109/ECC.2015.7330668.
- [C95] G. MATTEI, S. MONACO AND D. NORMAND-CYROT (2015) Robust nonlinear attitude stabilization of a spacecraft through digital implementation of an I&I stabilizer, Proc. 1st IFAC Conference on Modelling, Identification and Control of Nonlinear Systems MICNON, St Petersburg, IFAC-PapersOnLine, **48**, 11, pp. 4-9;doi.org/10.1016/j.ifacol.2015.09.151.
- [C94] L. RICCIARDI CELSI, R. BONGHI, S. MONACO AND D. NORMAND-CYROT (2015) On the exact steering of finite sampled nonlinear dynamics with input delays, Proc. 1st IFAC Conference on Modelling, Identification and Control of Nonlinear Systems MICNON, St Petersburg. IFAC-PapersOnLine, **48**, 11, pp. 674-679; doi.org/10.1016/j.ifacol.2015.09.265.
- [C93] M. MATTIONI , S. MONACO AND D. NORMAND-CYROT (2015) Digital stabilization of strict feedback dynamics through immersion and invariance, Proc. 1st IFAC Conference on Modeling, Identification and Control of Nonlinear Systems MICNON, St Petersburg. IFAC-PapersOnLine **48**, 11, pp. 1074-1079;doi.org/10.1016/j.ifacol.2015.09.336.
- [C92] L. RICCIARDI CELSI, R. BONGHI, S. MONACO AND D. NORMAND-CYROT (2015)Sampled-Data Stabilization Around the L2 Translunar Libration Point, Proc. 3rd IAA Conference on University Satellite Missions and CubeSat Workshop and International Workshop on Lean Satellite Standardization, Rome, It;hdl.handle.net/11573/853118;
- [C91] M. KHANCHOUL, M. HILAIRET AND D. NORMAND-CYROT (2013) IDA-PBC under sampling for torque control of PMSM, 11th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing, (ALCOSP 2013), **46**, 11, pp.15-20, Caen;doi.org/10.3182/20130703-3-FR-4038.00059.
- [C90] S. MONACO AND D. NORMAND-CYROT (2013) Forwarding stabilization of nonlinear discrete-time dynamics, *ECC'13*, 2186-2191, Zurich;hdl.handle.net/11573/782112.
- [C89] V. TANASA, S. MONACO AND D. NORMAND-CYROT (2013)Digital stabilization of finite sampled nonlinear dynamics with delays: the unicycle example, *ECC'13*, 2591-2596, Zurich;INSPEC Accession Number: 13936364.
- [C88] F. MAZENC AND D. NORMAND-CYROT (2012) Stabilization of linear input delayed dynamics under sampling, Proc. 51st *IEEE-CDC*, 7523-7528, Maui, Hawaii;DOI: 10.1109/CDC.2012.6427086.
- [C87] V. TANASA, S. MONACO AND D. NORMAND-CYROT (2012) Nonlinear optimal stabilizing control under sampling, Proc. 51st *IEEE-CDC*, 6430-6435, Maui, Hawaii;DOI: 10.1109/CDC.2012.6426347.
- [C86] S. MONACO, D. NORMAND-CYROT AND V. TANASA (2012) Digital stabilization of input delayed strict feedforward dynamics, Proc. 51st *IEEE-CDC*, 7535-7540, Maui, Hawaii;DOI: 10.1109/CDC.2012.6426354i.

- [C85] M. HILAIRET, V. TANASA, O. BETHOUX AND D. NORMAND-CYROT (2012) A passivity-based controller with charge estimation for coordination of converters in a fuel cell System, *Proc. 8th PPPSC Power Plant and Power System Control*, **45**, 21, pp. 645-650, Toulouse; doi.org/10.3182/20120902-4-FR-2032.00113.
- [C84] M. KHANCHOUL, M. HILAIRET AND D. NORMAND-CYROT (2012) Commande passive échantillonnée d'une machine synchrone à aimants permanents, *7-ème Conférence Internationale Francophone d'Automatique*, 979-984, CIFA'12, Grenoble.
- [C83] V. TANASA AND D. NORMAND-CYROT (2012) Sur la gestion échantillonnée de l'énergie d'un système - pile à combustible-super condensateurs, *7-ème Conférence Internationale Francophone d'Automatique*, 727-732, CIFA'12, Grenoble.
- [C82] S. MONACO AND D. NORMAND-CYROT (2012) Nonlinear optimal stabilizing control in discrete time, *Proc. ACC'12*, 208-213, Montréal; INSPEC Accession Number: 13035856.
- [C81] V. TANASA AND D. NORMAND-CYROT (2012) Experimental digital control of a magnetic suspension, *Proc. ACC'12*, 3956-3961, Montréal; INSPEC Accession Number: 13035808.
- [C80]] TANASA V. AND NORMAND-CYROT (2011) A computer aided software for nonlinear digital control", Post-proceedings *13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, Timisoara, 52-62, 2011, ISBN 978-0-7695-4630-8.
- [C79]] C. CALIFANO, S. DI GENNARO, S. MONACO AND D. NORMAND-CYROT (2011) Nonlinear torque control for high power induction motors with digital implementation, *Proc. 18th IFAC World Congress*, Milan.
- [C78] P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (2010) Input-state matching under piecewise constant control for systems on matrix Lie groups, *Proc. 49-th IEEE-CDC*, Atlanta, USA, pp. 7117-7122.
- [C77] F. TIEFENSEE, S. MONACO, D. NORMAND-CYROT (2010) Average passivity for discrete-time and sampled-data linear systems, *Proc. 49-th IEEE-CDC*, Atlanta, USA, pp. 7594-7599.
- [C76] F. TIEFENSEE, M. HILAIRET, D. NORMAND-CYROT, O. BETHOUX (2010) Sampled-data energetic management of a fuel cell/capacitor system, *Proc. IEEE-VPPC- Vehicule Power and Propulsion Conference*, Lille.
- [C75] S. MONACO, D. NORMAND-CYROT, F. TIEFENSEE (2010) Sampled-data redesign of stabilizing feedback, *Proc. ACC*, Baltimore, USA, pp. 1805-1810.
- [C74] F. TIEFENSEE, S. MONACO, D. NORMAND-CYROT (2010) IDA-PBC under sampling for Port Controlled Hamiltonian - PCH -systems, *Proc. ACC*, Baltimore, USA, pp. 1811-1816.
- [C73] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (2010) On the observer design through output scaling in discrete time, *Proc. ACC*, Baltimore, USA, pp. 5290-5295.
- [C72] S. MONACO, D. NORMAND-CYROT, F. TIEFENSEE (2009) Nonlinear port controlled Hamiltonian systems under sampling, *Proc. 48th IEEE-CDC*, Shanghai, Chine, pp. 1782-1787.
- [C71] F. TIEFENSEE, S. MONACO AND D. NORMAND-CYROT (2009) Lyapunov design under sampling for a synchronous machine, *Proc. EUCA-ECC'09*, Budapest, Hongrie, pp. 1775-1780.
- [C70] S. MONACO, D. NORMAND-CYROT, P. DI GIAMBERARDINO (2009) Piecewise constant control of dynamics evolving on Lie groups: a simple case study, *Proc. VIII International Conference on System, Identification and Control Problems, SICPRO'9*, Moscou, pp. 834-847.
- [C69] S. MONACO, D. NORMAND-CYROT, F. TIEFENSEE (2008) From passivity under sampling to a new discrete-time passivity concept, *Proc. 47th IEEE-CDC*, Cancun, pp. 3157-3162.

- [C68] S. MONACO, D. NORMAND-CYROT (2008) Digital controller for nilpotent Lie algebra at order 3, *Proc. VII International Conference on System, Identification and Control Problems, SICPRO'8*, Moscou, pp. 372–384.
- [C67] S. MONACO, D. NORMAND-CYROT (2007) Accessibility under multirate control for nilpotent Lie algebra, *Proc. 46th IEEE-CDC*, New Orleans, pp. 6262–6267.
- [C66] J.P. BARBOT, S. MONACO, D. NORMAND-CYROT (2007) On the observer for differential /difference representations of discrete-time dynamics, *European Control Conference*, Kos, Grèce, pp. 5783–5788.
- [C65] S. MONACO, D. NORMAND-CYROT (2007) Linearization by output injection under sampling, *European Control Conference*, Kos, Grèce, pp. 5270–5273.
- [C64] S. MONACO AND D. NORMAND-CYROT (2007) On digital controller inversion, *Proc. IV International Conference on System, Identification and Control Problems, SICPRO'7*, Moscou.
- [C63] C. CALIFANO, S. MONACO AND D. NORMAND-CYROT (2007) State estimation for two output systems in discrete-time, *NOLCOS'07*, Pretoria.
- [C62] P. DI GIAMBERARDINO S. MONACO AND D. NORMAND-CYROT (2006) Equivalence and feedback equivalence of finitely computable dynamics under sampling : driftless and underactuated cases, *Proc. 45-th IEEE-CDC, San Diego*, pp. 5869–5874.
- [C61] S. MONACO AND D. NORMAND-CYROT (2006) Input-state matching under digital control, *Proc. 45-th IEEE-CDC, San Diego*, pp. 1806–1811.
- [C60] S. MONACO AND D. NORMAND-CYROT (2006) On nonlinear sampling inversion, *Proc. 45-th IEEE-CDC, San Diego*, pp. 3718–3723.
- [C59] S. MONACO AND D. NORMAND-CYROT (2006) Some comments about normal forms under sampling, *Proc. ACC-06*, Minneapolis, Minnesota, USA, pp. 1487–1492.
- [C58] S. MONACO AND D. NORMAND-CYROT (2005) Nonlinear sampling: on the differential/difference representation, *Proc. 44-th IEEE-CDC and ECC-05*, Sevilla, Spain, pp. 6597–6602.
- [C57] S. MONACO AND D. NORMAND-CYROT (2005) On extended controller normal forms of nonlinear discrete-time systems; the single input case, *Proc. 16-th IFAC World Congress, Praha, Czech Republic*.
- [C56] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (2005) On the observer design of multi-output systems in discrete time, *Proc. 16-th IFAC World Congress, Praha, Czech Republic*.
- [C55] S. MONACO AND D. NORMAND-CYROT (2005) Quadratic normal forms for two-input nonlinear discrete-time dynamics, *Proc. ACC Portland, Oregon, USA*, pp. 1319–1324.
- [C54] S. MONACO, D. NORMAND-CYROT AND C. CALIFANO (2004) Exponential representations of two-input nonlinear discrete-time dynamics, *Proc. ACC*, Boston.
- [C53] S. MONACO AND D. NORMAND-CYROT (2004) Quadratically approximated normal forms for nonlinear discrete-time dynamics, *Proc. III international Conference on System, Identification and Control Problems, SICPRO'4*, Moscou, pp. 1224–1235.
- [C52] S. MONACO AND D. NORMAND-CYROT (2004) About the solution to nonlinear multi-time scale differential equations, *Proc. III international Conference on System, Identification and Control Problems, SICPRO'4*, Moscou, pp 1212–1223.
- [C51] S. MONACO, D. NORMAND-CYROT, C. CALIFANO (2003) Discrete-time versus hybrid systems, *Proc. 42nd IEEE-CDC*, Maui, Hawaii USA, pp. 5203–5208.

- [C50] P. DI GIAMBERARDINO, S. MONACO AND D. NORMAND-CYROT (2002) Why multirate sampling is instrumental for control design purpose: the example of the one-leg hopping robot, *Proc. 41st IEEE-CDC*, Las Vegas, pp. 3249–3254.
- [C49] S. MONACO, D. NORMAND-CYROT, C. CALIFANO (2002) Exponential representations of Volterra-like expansions: an explicit computation of the exponent series, *Proc. 41st IEEE-CDC*, Las Vegas USA, pp. 2708–2713.
- [C48] B. HAMZI, S. MONACO AND D. NORMAND-CYROT (2002) Quadratic stabilization of systems with period doubling bifurcation, *Proc. 41st IEEE-CDC*, Las Vegas, USA, pp. 3907–3911.
- [C47] P. DI GIAMBERARDINO, F. LA GALA, S. MONACO AND D. NORMAND-CYROT (2001) Experimental torque control of a wheeled robot under digital motion planning, *IASTED Int. Conf. Modelling*.
- [C46] B. HAMZI, J.-P. BARBOT, S. MONACO, AND D. NORMAND-CYROT (2001) Normal forms and stabilization of the Naimark-Sacker bifurcation, Invited Paper, *Proc. NOLCOS*.
- [C45] C. CALIFANO, J.P. BARBOT, S. MONACO AND D. NORMAND-CYROT (2000) Nonlinear torque control of an induction motor with input filter, Invited Paper *Proc. 9th Int. Conf EPE-PEMC*, Kosice, Slovaquie.
- [C44] A. MADANI, S. MONACO, D. NORMAND-CYROT (1999) Adaptive control of a class of discrete-time systems, *Proc. European Control Conference*, ECC-99, Karlsruhe, Germany.
- [C43] S. MONACO AND D. NORMAND-CYROT (1998) Differential representations of driftless discrete-time dynamics, *Proc. 37th IEEE-CDC*, pp. 4620 - 4625, Tampa.
- [C42] P. DI GIAMBERARDINO, M. DJEMAI, S. MONACO, D. NORMAND-CYROT (1997) Exact Steering and Stabilization of a PVTOL Aircraft, *Proc. 36th IEEE-CDC*, San Diego, pp. 5869-5874.
- [C41] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (1997) Nonlinear decoupling with stability via static state feedback for a class of discrete-time systems, *Proc. 36th IEEE-CDC*, San Diego, pp. 931–936.
- [C40] G. AMICUCCI, S. MONACO, D. NORMAND-CYROT (1997) Control Lyapunov stabilization of affine discrete-time dynamics systems, *Proc. 36th IEEE-CDC*, San Diego.
- [C39] K. MADANI, Y. BONNASSIEUX, S. MONACO, D. NORMAND-CYROT (1997) Nonlinear digital control of a PMSM, Invited Paper, *Proc. SDEMPED'97, Int. Symp. on Diag. for Elec. Mach., Pow. Elec. Drives*.
- [C38] S. MONACO, D. NORMAND-CYROT (1997) On the conditions of passivity and losslessness in nonlinear discrete-time, *Proc. European Control Conference*, WEAJ4, ECC-97, Bruxelles.
- [C37] S. MONACO, D. NORMAND-CYROT (1997) Geometric properties of a class of nonlinear discrete-time dynamics dynamics, Invited Paper, *Proc. European Control Conference*, ECC-97, Bruxelles.
- [C36] S. DI GENNARO, S. MONACO, D. NORMAND-CYROT, A. PIGNATELLI (1997) Digital controllers for attitude manoeuvring: experimental results, Invited Paper, *Proc. 3-rd ESA Int. Conf. on Spacecraft, Guidance, Navigation and Control*, ESA SP-381, pp.439–446, Nordwick.
- [C35] P. DI GIAMBERARDINO, F. LA GALA, S. MONACO, D. NORMAND-CYROT (1996) A prototypal realization of a platform for attitude and configuration control, Invited Paper, *Proc. 3-rd ESA Int. Conf. on Spacecraft, Guidance, Navigation and Control*, pp.639–644, Nordwick.
- [C34] K. MADANI, S. MONACO, D. NORMAND-CYROT (1996) Adaptive control of discrete-time dynamics in strict-feedback form, *Proc. 35th IEEE-CDC*, Kobé, pp.2659–2664.
- [C33] P. DI GIAMBERARDINO, F. GRASSINI, S. MONACO AND D. NORMAND-CYROT (1996) Piecewise continuous control of a car like robot: implementation and experimental results, *Proc. 35th IEEE-CDC*, Kobé, pp.3564–3569.

- [C32] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (1996) Essential orders and nonlinear discrete-time decoupling, *Proc. 13th IFAC - World Congress*, San Francisco.
- [C31] P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (1996) Digital control through finite feedback discretizability, *Proc. Int. Conf. on Robotics and Automation, ICRA 96*, pp.3141-3146.
- [C30] V. FROMION, S. MONACO, D. NORMAND-CYROT (1995) A possible extension of H-infinity control to the nonlinear context, *Proc. 34th IEEE-CDC*, New Orleans.
- [C29] H. GUILLARD, S. MONACO, D. NORMAND-CYROT (1995) Discrete H-infinity control, from linear to nonlinear, *Proc. European Control Conference, ECC-95*, Rome, pp. 270–275.
- [C28] J.-P. BARBOT, S. MONACO, D. NORMAND-CYROT (1995) Linearization around an equilibrium manifold in discrete time, Invited Paper, *Proc. NOLCOS-III*, Tahoe, USA.
- [C27] J.-P. BARBOT, J. HERNANDEZ, S. MONACO, D. NORMAND-CYROT (1994) Quadratic feedback linearization with observers in discrete time, *Proc. 33rd IEEE-CDC*, Orlando, pp. 1645–1646.
- [C26] H. GUILLARD, S. MONACO, D. NORMAND-CYROT (1994) On the solution of the Hamilton Jacobi type equation in the nonlinear H-infinity control in discrete time, *Proc. 33rd IEEE-CDC*, Orlando, pp. 1406–1411.
- [C25] H. GUILLARD, S. MONACO, D. NORMAND-CYROT (1993) An approach to nonlinear discrete time H-infinity control, *Proc. 32nd IEEE-CDC*, San Antonio, pp. 178–183.
- [C24] A. CHELOUAH, P. DI GIAMBERARDINO, S. MONACO, D. NORMAND-CYROT (1993) Digital control of nonholonomic systems: two case studies, *Proc. 32nd IEEE-CDC*, San Antonio, pp. 2664–2669.
- [C23] J.-P. BARBOT, S. MONACO, D. NORMAND-CYROT (1993) About a normal “Column-form” for nonlinear discrete time singularly perturbed control systems, *Proc. 32nd IEEE-CDC*, San Antonio, pp. 883–888.
- [C22] S. MONACO, D. NORMAND-CYROT (1992) An introduction to motion planning under multirate digital control, Invited Paper, *Proc. 31st IEEE-CDC*, Tucson, pp. 1780–1785.
- [C21] J.-P. BARBOT, N. PANTALOS, S. MONACO AND D. NORMAND-CYROT (1992) Some comments about linearization under sampling, *Proc. 31st IEEE-CDC*, Tucson, pp. 2392–2397.
- [C20] G. GEORGIU, A. CHELOUAH, S. MONACO, D. NORMAND-CYROT (1992) Nonlinear multirate adaptive control of a synchronous motor, *Proc. 31st IEEE-CDC*, Tucson, pp. 3523–3528.
- [C19] J.-P. BARBOT, N. PANTALOS, S. MONACO, D. NORMAND-CYROT (1991) Discretization schemes for nonlinear singularly perturbed systems, *Proc. 30th IEEE-CDC*, Brighton, pp. 443–448.
- [C18] G. GEORGIU, S. DI GENNARO, S. MONACO, D. NORMAND-CYROT (1991) On the nonlinear adaptive control of a flexible spacecraft, Invited Paper, *Proc. 1-st ESA Int. Conf. on Spacecraft Guidance, Navigation and Control Syst.*, Noordwijk, pp. 509–514.
- [C17] S. MONACO, D. NORMAND-CYROT (1991) On the sampling of time delayed nonlinear systems, *Proc. European Control Conference*, Grenoble, ECC-91, Hermès-Paris, pp. 556–560.
- [C16] S. MONACO, D. NORMAND-CYROT, S. STORNELLI (1989) Multirate three axes attitude stabilization of spacecraft, *Proc. 28th IEEE-CDC*, Tampa, pp.797–802.
- [C15] A. MONTANO, I.D. LANDAU, D. NORMAND-CYROT (1988) Adaptive control of nonlinear systems using nonlinear and linear models, *Proc. 27th IEEE-CDC*, Austin.
- [C14] I.D. LANDAU, D. NORMAND-CYROT, A. MONTANO (1987) Adaptive control of a class of nonlinear discrete time systems, application to a heat exchanger, *Proc. 26th IEEE-CDC*, Los Angeles.

- [C13] S. MONACO, D. NORMAND-CYROT (1987) Minimum phase nonlinear discrete time systems and feedback stabilisation, *Proc. 26th IEEE-CDC*, Los Angeles, pp. 979–986.
- [C12] S. MONACO, D. NORMAND-CYROT, S. STORNELLI (1986) Sampled nonlinear control for larged angle maneuvers of flexible spacecrafts, Invited Paper, in *ESA-SP 255*, Darmstadt, pp. 31–38.
- [C11] S. MONACO, D. NORMAND-CYROT AND S. STORNELLI (1986) On the linearizing feedback in nonlinear sampled data control schemes, *Proc. 25th IEEE-CDC*, Athens, pp. 2056–2060.
- [C10] S. AKSAS, H. DANG VAN MIEN, D. NORMAND-CYROT (1985) Application of a nonlinear identification to helicopter flight, *Proc. IMACS, Modelling and Simulation of Control of Lumbted and Distributed Parameters Systems*, Lille, pp. 291–293.
- [C09] S. MONACO, D. NORMAND-CYROT (1985) Discrete time models for robot arm control, *Proc. SYROCO*, Barcelona, pp. 293–298.
- [C08] S. MONACO, D. NORMAND-CYROT (1985) On the sampling of a linear control system, *Proc. 24th IEEE-CDC*, Fort Lauderdale, pp. 1457–1462.
- [C07] S. MONACO, D. NORMAND-CYROT (1984) Partial realization of a nonlinear discrete time system from an equilibrium point, Invited Paper, *Proc. 23rd IEEE-CDC*, Las Vegas, pp. 90–95.
- [C06] S. MONACO, D. NORMAND-CYROT (1983) Formal power series and input output linearization of nonlinear discrete time systems, *Proc. 22nd IEEE-CDC*, San Antonio, pp. 665–670.
- [C05] S. MONACO, D. NORMAND-CYROT (1983) Some remarks on the invertibility of discrete time nonlinear systems, *Proc. ACC Conf.*, San Francisco, pp. 324–328.
- [C04] M. FLIESS, D. NORMAND-CYROT (1982) On the approximation of nonlinear systems by some simple state-space models, *Proc. 6th IFAC Symp. on Ident. and Syst. Parameter Est.*, Washington, pp. 433–436.
- [C03] P. BOURDON, H. DANG VAN MIEN, M. FLIESS, D. NORMAND-CYROT (1982) Applications to nuclear power plants of nonlinear identification and realization techniques, *Proc. 6th IFAC Symp. on Ident. and Syst. Parameter Est.*, Washington, **2**, pp. 1514–1519.
- [C02] D. NORMAND-CYROT (1982) An algebraic approach to the input-output description of nonlinear discrete time systems, *Proc. ACC*, Arlington, pp. 466–471.
- [C01] M. FLIESS, D. NORMAND-CYROT (1981) A group theoretic approach to discrete time nonlinear controllability, *Proc. 10th IEEE-CDC*, San Diego, pp. 551–557.

Thèses

- [D02] D. NORMAND-CYROT (1983) Théorie et pratique des systèmes non linéaires en temps discret, Thèse de Doctorat d’Etat es Sciences Physiques, Université de Paris-Sud, Orsay.
- [D01] D. NORMAND-CYROT (1978) Utilisation de certaines familles algébriques de systèmes non linéaires quelques problèmes de filtrage et l’identification, Thèse de Troisième Cycle, Université Paris VII.

Conférences sans actes

- [O02] P. DI GIAMBERARDINO, M. DJEMAI, S. MONACO, D. NORMAND-CYROT (1996) Finite discretization and digital control of a PVTOL aircraft, *MTNS-96*, St Louis, USA.
- [O01] C. CALIFANO, S. MONACO, D. NORMAND-CYROT (1995) A note on discrete time normal forms, *MTNS-96*, St Louis, USA.

Edition d'ouvrages

- [B03] D. NORMAND-CYROT, ED. (1998) *Perspectives in Control, a tribute to Ioan Doré Landau*, Springer, Londres.
- [B02] A.J. FOSSARD, D. NORMAND-CYROT (1995) On Nonlinear Digital Control dans *Nonlinear Systems*, 1: Modelling and Identification, 2: Stability and Stabilization, 3: Control, Editions Chapman and Hall.
- [B01] A.J. FOSSARD, D. NORMAND-CYROT (1995) *Systèmes Non Linéaires*, Tome 1: Modélisation et Identification, Tome 2: Stabilité et Stabilisation, Tome 3: Commande, Editions, Masson, Paris.

Conférences plénières sans Actes

- [P1] D. NORMAND-CYROT "Prolegomena to nonlinear discrete-time systems". DYNAMICS, CONTROL, and GEOMETRY: In honor of Bronislaw Jakubczyk's 70th birthday. Banach Center Warsaw, September, 12-15 2018. Invited Speaker.
- [P2] D. NORMAND-CYROT "Nonlinear digital Lyapunov based stabilizing control". 22nd IEEE-CSS International Conference on System Theory, Control and Computing. Sinaia, October 10-12 2018. Plenary Speaker.