CITAZIONI

Il documento prodotto nel luglio 2002 dalla Conferenza dei Rettori delle Università Italiane (CRUI) intitolato "La ricerca scientifica nelle Università italiane: Una prima analisi delle citazioni della banca dati ISI" chiarisce l'importanza delle citazioni al fine della valutazione della ricerca scientifica. In particolare, si afferma che l'impact factor di una rivista non e' l'indice piu' appropriato perche' rappresenta il valore medio di citazioni atteso per un articolo pubblicato su quella rivista mentre le citazioni rappresentano l'indice metrico piu' significativo.
Per valutare l'impatto delle ricerche effettuate da Saverio Mascolo si riportano i seguenti due documenti: 1) l'elenco delle citazioni ricavato dalla consultazione del sito www.webofscience.com (database dell'ISI); 2) l'elenco delle citazioni ricavato dalla consultazione del sito Citeseer Scientific Digital Libriray (http://citeseer.nj.nec.com/cs).

6.1 Citazioni dalla consultazione di www.webofscience.com

Dalla consultazione effettuata il 21 gennaio 2005 del database dell'ISI, risulta che la produzione scientifica di Saverio Mascolo è stata citata in più di 200 pubblicazioni. In particolare, si riportano le seguenti 200 pubblicazioni raggruppate in base alla particolare pubblicazione di S. Mascolo che viene citata.

The paper:

[J.3] M.P. FANTI, B. MAIONE, S. MASCOLO, B. TURCHIANO, "Event-based Feedback Control for deadlock Avoidance in Flexible Production Systems", **IEEE Trans. on Robotics and Automation**, vol. 13, No. 3, June 1997.

Has been quoted in the following 51 papers:

Huang ZH, Wu ZM
Deadlock-free scheduling in automated manufacturing systems with multiple resource requests
IEICE T FUND ELECTR E87A (11): 2844-2851 NOV 2004

Lee S, Cha Y, Cho H, et al.
Requests network model for deadlock detection and avoidance in automated manufacturing systems
INT J PROD RES 42 (16): 3203-3218 AUG 15 2004

Zajac J
A deadlock handling method for automated manufacturing systems
CIRP ANN-MANUF TECHN 53 (1): 367-370 2004

Zhang WL, Judd RP, Deering P
Necessary and sufficient conditions for deadlocks in flexible manufacturing systems based on a digraph model
ASIAN J CONTROL 6 (2): 217-228 JUN 2004

Yalcin A
Supervisory control of automated manufacturing cells with resource failures
ROBOT CIM-INT MANUF 20 (2): 111-119 APR 2004

Dotoli M, Fanti MP
Coloured timed Petri net model for real-time control of automated guided vehicle systems
INT J PROD RES 42 (9): 1787-1814 MAY 1 2004

Wu NQ, Zhou MC
Modeling and deadlock control of automated guided vehicle systems
IEEE-ASME T MECH 9 (1): 50-57 MAR 2004

Venkatesh S, Smith JS
A graph-theoretic, linear-time scheme to detect and resolve deadlocks in flexible manufacturing cells
J MANUF SYST 22 (3): 220-238 2003

Uzam M

The use of the Petri net reduction approach for an optimal deadlock prevention policy for flexible manufacturing systems
INT J ADV MANUF TECH 23 (3-4): 204-219 FEB 2004

Yoon HJ, Lee DY
Deadlock-free scheduling of photolithography equipment in semiconductor fabrication
IEEE T SEMICONDUCT M 17 (1): 42-54 FEB 2004

Fanti MP, Zhou MC
Deadlock control methods in automated manufacturing systems
IEEE T SYST MAN CY A 34 (1): 5-22 JAN 2004

Hsieh FS
Fault-tolerant deadlock avoidance algorithm for assembly processes
IEEE T SYST MAN CY A 34 (1): 65-79 JAN 2004

Fanti MP
Deadlock resolution strategy for automated manufacturing systems including conjunctive resource service
IEEE T SYST MAN CY A 34 (1): 80-92 JAN 2004

Ezpeleta J, Recalde L
A deadlock avoidance approach for nonsequential resource allocation systems
IEEE T SYST MAN CY A 34 (1): 93-101 JAN 2004

Hsieh FS
Robustness of deadlock avoidance algorithms for sequential processes
AUTOMATICA 39 (10): 1695-1706 OCT 2003

Colom JM
The resource allocation problem in Flexible Manufacturing Systems
LECT NOTES COMPUT SC 2679: 23-35 2003

Reveliotis SA
On the siphon-based characterization of liveness in sequential resource allocation systems
LECT NOTES COMPUT SC 2679: 241-255 2003

Zhao XB, Gong Q, Wang J
Generally configured supply chain with flexible local control strategies
INT J PROD RES 41 (12): 2817-2838 AUG 2003

Aytug H, Barua A, Lawley M, et al.
Observations on the interactions among deadlock avoidance policies and dispatching rules in automated manufacturing systems
INT J PROD RES 41 (1): 81-95 2003

Lawley MA
Control of deadlock and blocking for production systems with unreliable workstations
INT J PROD RES 40 (17): 4563-4582 NOV 20 2002

Tai TT, Boucher TO
An architecture for scheduling and control in flexible manufacturing systems using distributed objects
IEEE T ROBOTIC AUTOM 18 (4): 452-462 AUG 2002

Park JG, Reveliotis SA
Policy mixtures: A novel approach for enhancing the operational flexibility of resource allocation systems with alternate routings
IEEE T ROBOTIC AUTOM 18 (4): 616-620 AUG 2002

Castillo I, Smith JS
Formal modeling methodologies for control of manufacturing cells: Survey and comparison
J MANUF SYST 21 (1): 40-57 2002

Ben Abdallah I, Elmaraghy HA, Elmekkawy T
Deadlock-free scheduling in flexible manufacturing systems using Petri nets
INT J PROD RES 40 (12): 2733-2756 AUG 2002

Lawley MA, Sulistyono W
ROBUST SUPERVISORY CONTROL POLICIES FOR MANUFACTURING SYSTEMS WITH UNRELIABLE RESOURCES
IEEE T ROBOTIC AUTOM 18 (3): 346-359 JUN 2002

Park J, Reveliotis SA
Liveness-enforcing supervision for resource allocation systems with uncontrollable behavior and forbidden states
IEEE T ROBOTIC AUTOM 18 (2): 234-240 APR 2002

Fanti MP
Event-based controller to avoid deadlock and collisions in zone-control AGVS
INT J PROD RES 40 (6): 1453-1478 APR 15 2002

Fanti MP, Maione G, Turchiano B
Design of supervisors to avoid deadlock in flexible assembly systems
INT J FLEX MANUF SYS 14 (2): 157-175 APR 2002

Uzam M
An optimal deadlock prevention policy for flexible manufacturing systems using Petri net models with resources and the theory of regions
INT J ADV MANUF TECH 19 (3): 192-208 2002

ZHAO XB, OHNO K, NAKADE K
An optimal cart moving policy for a flexible manufacturing system
IIE TRANS 34 (1): 41-50 JAN 2002

Wu NQ, Zeng WQ
Deadlock avoidance in an automated guidance vehicle system using a coloured Petri net model
INT J PROD RES 40 (1): 223-238 JAN 2002

Park J, Reveliotis SA, Bodner DA, et al.
A distributed, event-driven control architecture for flexibly automated manufacturing systems
INT J COMP INTEG M 15 (2): 109-126 MAR-APR 2002

Mati Y, Rezg N, Xie XL
Geometric approach and taboo search for scheduling flexible manufacturing systems
IEEE T ROBOTIC AUTOM 17 (6): 805-818 DEC 2001

SULISTYONO W, LAWLEY MA
Deadlock avoidance for manufacturing systems with partially ordered process plans
IEEE T ROBOTIC AUTOM 17 (6): 819-832 DEC 2001

Wu NQ, Zhou MC
Avoiding deadlock and reducing starvation and blocking in automated manufacturing systems
IEEE T ROBOTIC AUTOM 17 (5): 658-669 OCT 2001

Lawley M, Reveliotis S
Deadlock avoidance for sequential resource allocation systems: Hard and easy cases
INT J FLEX MANUF SYS 13 (4): 385-404 2001

Park J, Reveliotis SA
Deadlock avoidance in sequential resource allocation systems with multiple resource acquisitions and flexible routings
IEEE T AUTOMAT CONTR 46 (10): 1572-1583 OCT 2001

Mati Y, Rezg N, Xie XL
A taboo search approach for deadlock-free scheduling of automated manufacturing systems

J INTELL MANUF 12 (5-6): 535-552 2001

Gebraeel NZ, Lawley MA
Deadlock detection, prevention, and avoidance for automated tool sharing systems
IEEE T ROBOTIC AUTOM 17 (3): 342-356 JUN 2001

Fanti MP, Maione G, Turchiano B
Distributed event-control for deadlock avoidance in automated manufacturing systems
INT J PROD RES 39 (9): 1993-2021 JUN 2001

Fanti MP, Maione B, Turchiano B
Comparing digraph and Petri net approaches to deadlock avoidance in FMS
IEEE T SYST MAN CY B 30 (5): 783-798 OCT 2000

Reveliotis SA
An analytical investigation of the deadlock avoidance versus detection and recovery problem in buffer-space allocation of flexibly automated production systems
IEEE T SYST MAN CY B 30 (5): 799-811 OCT 2000

Yalcin A, Boucher TO
Deadlock avoidance in flexible manufacturing systems using finite automata
IEEE T ROBOTIC AUTOM 16 (4): 424-429 AUG 2000

Boucher TO, Yalcin A, Tai T
Dynamic routing and the performance of automated manufacturing cells
IIE TRANS 32 (10): 975-988 OCT 2000

Park JH, Park JW, Kim JW
A generic event control framework fbr modular flexible manufacturing systems
COMPUT IND ENG 38 (1): 107-123 JAN 2000

Park JH, Reveliotis SA
Algebraic synthesis of efficient deadlock avoidance policies for sequential resource allocation systems
IEEE T ROBOTIC AUTOM 16 (2): 190-195 APR 2000

Reveliotis SA
Conflict resolution in AGV systems
IIE TRANS 32 (7): 647-659 JUL 2000

Ferrarini L, Piroddi L, Allegri S
A comparative performance analysis of deadlock avoidance control algorithms for FMS
J INTELL MANUF 10 (6): 569-585 DEC 1999

Lawley M, Mittenthal J
Order release and deadlock avoidance interactions in counter-flow system optimization
INT J PROD RES 37 (13): 3043-3062 SEP 10 1999

Lawley MA
Deadlock avoidance for production systems with flexible routing
IEEE T ROBOTIC AUTOM 15 (3): 497-509 JUN 1999

Reveliotis SA
Accommodating FMS operational contingencies through routing flexibility
IEEE T ROBOTIC AUTOM 15 (1): 3-19 FEB 1999

The paper

[J14] G. GRASSI, S. MASCOLO,
"Nonlinear observer design to synchronize hyperchaotic systems via a scalar signal",
IEEE Trans. on Circuits and Systems, part I: Fundamental Theory and Applications, vol. 44, no. 10, October 1997, pp. 1011–1014, *Special Issue on "Chaos Synchronization, control, and Applications"*, Eds. P. Kennedy, and M..J. Ogorzalek.

Has been quoted in the following 42 papers:

Wen GL, Xu DL
Observer-based control for full-state projective synchronization of a general class of chaotic maps in any dimension
PHYS LETT A 333 (5-6): 420-425 DEC 13 2004

Liu B, Chen GR, Teo KL, et al.
Robust global exponential synchronization of general Lur'e chaotic systems subject to impulsive disturbances and time delays
CHAOS SOLITON FRACT 23 (5): 1629-1641 MAR 2005

Gao TG, Chen ZQ, Yuan ZZ
Control of chaotic systems based on partial variables feedback
ACTA PHYS SIN-CH ED 53 (10): 3274-3279 OCT 2004

Zhang YP, Sun JT
Chaotic synchronization and anti-synchronization based on suitable separation
PHYS LETT A 330 (6): 442-447 OCT 4 2004

Bowong S, Kakmeni FMM, Koina R
A new synchronization principle for a class of Lur'e systems with applications in secure communication
INT J BIFURCAT CHAOS 14 (7): 2477-2491 JUL 2004

Huang CK, Tsay SC, Wu YR
Implementation of chaotic secure communication systems based on OPA circuits
CHAOS SOLITON FRACT 23 (2): 589-600 JAN 2005

Boutayeb M
Synchronization and input recovery in digital nonlinear systems
IEEE T CIRCUITS-II 51 (8): 393-399 AUG 2004

Zhang YP, Su JT
Delay-dependent stability criteria for coupled chaotic systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 22 (1): 199-205 OCT 2004

Gao TG, Chen ZQ, Yuan ZZ, et al.
Study on synchronization of chaotic systems based on observer
ACTA PHYS SIN-CH ED 53 (5): 1305-1308 MAY 2004

Sun JT
Global synchronization criteria with channel time-delay for chaotic time-delay system
CHAOS SOLITON FRACT 21 (4): 967-975 AUG 2004

Ge ZM, Chen YS
Synchronization of unidirectional coupled chaotic systems via partial stability
CHAOS SOLITON FRACT 21 (1): 101-111 JUL 2004

Jiang GP, Zheng WX, Chen GR
Global chaos synchronization with channel time-delay
CHAOS SOLITON FRACT 20 (2): 267-275 APR 2004

Tsay SC, Huang CK, Qiu DL, et al.
Implementation of bidirectional chaotic communication systems based on Lorenz circuits

CHAOS SOLITON FRACT 20 (3): 567-579 MAY 2004

Cafagna D, Grassi G
Hyperchaotic coupled chua circuits: An approach for generating new n x m-scroll attractors
INT J BIFURCAT CHAOS 13 (9): 2537-2550 SEP 2003

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Jiang GP, Chen GR, Tang WKS
A new criterion for chaos synchronization using linear state feedback control
INT J BIFURCAT CHAOS 13 (8): 2343-2351 AUG 2003

Sun JT, Zhang YP, Qiao F, et al.
Some impulsive synchronization criterions for coupled chaotic systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 19 (5): 1049-1055 MAR 2004

Sun JT, Zhang YP
Some simple global synchronization criterions for coupled time-varying chaotic systems
CHAOS SOLITON FRACT 19 (1): 93-98 JAN 2004

Sun JT
Some global synchronization criteria for coupled delay-systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 19 (4): 789-794 MAR 2004

Tsay SC, Huang CK, Chiang CT
Design the hyperchaotic cryptosystems via the Gerschgorin theorem
CHAOS SOLITON FRACT 19 (4): 935-948 MAR 2004

Barajas-Ramirez JG, Chen GR, Shieh LS
Hybrid chaos synchronization
INT J BIFURCAT CHAOS 13 (5): 1197-1216 MAY 2003

Morgul O, Solak E, Akgul M
Observer based chaotic message transmission
INT J BIFURCAT CHAOS 13 (4): 1003-1017 APR 2003

Andrievskii BR, Fradkov AL
Control of chaos: Methods and applications. I. Methods
AUTOMAT REM CONTR+ 64 (5): 673-713 MAY 2003

Cannas B, Cincotti S
Hyperchaotic behaviour of two bi-directionally coupled Chua's circuits
INT J CIRC THEOR APP 30 (6): 625-637 NOV-DEC 2002

Jiang GP, Tang WKS
A global synchronization criterion for coupled chaotic systems via unidirectional linear error feedback approach
INT J BIFURCAT CHAOS 12 (10): 2239-2253 OCT 2002

Jiang GP, Tang WKS, Chen GR
A simple global synchronization criterion for coupled chaotic systems
CHAOS SOLITON FRACT 15 (5): 925-935 MAR 2003

Cannas B, Cincotti S, Usai E
An algebraic observability approach to chaos synchronization by sliding differentiators
IEEE T CIRCUITS-I 49 (7): 1000-1006 JUL 2002

Femat R, Solis-Perales G
Synchronization of chaotic systems with different order
PHYS REV E 65 (3): art. no. 036226 Part 2A MAR 2002

Boutayeb M, Darouach M, Rafaralahy H
Generalized state-space observers for chaotic synchronization and secure communication
IEEE T CIRCUITS-I 49 (3): 345-349 MAR 2002

Grassi G, Miller DA
Theory and experimental realization of observer-based discrete-time hyperchaos synchronization
IEEE T CIRCUITS-I 49 (3): 373-378 MAR 2002

Lian KY, Liu P, Chiang TS, et al.
Adaptive synchronization design for chaotic systems via a scalar driving signal
IEEE T CIRCUITS-I 49 (1): 17-27 JAN 2002

Wu CW
Synchronization in arrays of coupled nonlinear systems: Passivity, circle criterion, and observer design
IEEE T CIRCUITS-I 48 (10): 1257-1261 OCT 2001

Miller DA, Grassi G
Experimental realization of observer-based hyperchaos synchronization
IEEE T CIRCUITS-I 48 (3): 366-374 MAR 2001

Gao JF, Luo XJ, Ma XK
A nonlinear feedback approach for realizing any continuous time scalar (hyper) chaotic signal synchronization control
ACTA PHYS SIN-CH ED 49 (5): 838-843 MAY 2000

Liao TL, Huang NS
An observer-based approach for chaotic synchronization with applications to secure communications
IEEE T CIRCUITS-I 46 (9): 1144-1150 SEP 1999

Millerioux G, Mira C
Coding scheme based on chaos synchronization from noninvertible maps
INT J BIFURCAT CHAOS 8 (10): 2019-2029 OCT 1998

Morgul O
Necessary condition for observer-based chaos synchronization
PHYS REV LETT 82 (1): 77-80 JAN 4 1999

Wang XF, Wang ZQ
A global synchronization theorem for a class of chaotic systems
INT J BIFURCAT CHAOS 8 (6): 1363-1369 JUN 1998

Wang XF, Wang ZQ
Synchronizing chaos and hyperchaos with any scalar transmitted signal
IEEE T CIRCUITS-I 45 (10): 1101-1103 OCT 1998

The paper:

[J16] S. MASCOLO,
"Congestion control in high-speed communication networks using the Smith principle",
Automatica, A Journal of the International Federation of Automatic Control, vol. 35, no. 12, Dec. 1999, pp. 1921-1935. Special Issue on "***Control methods for communication networks"***

Has been quoted in the following 12 papers:

Kubo S, Ushio T, Murata M, et al.
PID congestion control in ATM with propagation delay
ELECTRON COMM JPN 1 87 (12): 90-99 2004

Priscoli FD, Pietrabissa A

Design of a bandwidth-on-demand (BoD) protocol for satellite networks modelled as time-delay systems
AUTOMATICA 40 (5): 729-741 MAY 2004

Chatte F, Ducourthial B, Nace D, et al.
Fluid modelling of packet switching networks: perspectives for congestion control
INT J SYST SCI 34 (10-11): 585-597 AUG-SEP 2003

Welzl M, Mulhauser M
CAVT - A congestion avoidance visualization tool
COMPUT COMMUN REV 33 (3): 95-101 JUL 2003

Tan LS, Pugh AC, Yin M
Rate-based congestion control in ATM switching networks using a recursive digital filter
CONTROL ENG PRACT 11 (10): 1171-1181 OCT 2003

Richard JP
Time-delay systems: an overview of some recent advances and open problems
AUTOMATICA 39 (10): 1667-1694 OCT 2003

Zhong QC
Robust stability analysis of simple systems controlled over communication networks
AUTOMATICA 39 (7): 1309-1312 JUL 2003

Hollot CV, Misra V, Towsley D, et al.
Analysis and design of controllers for AQM routers supporting TCP flows
IEEE T AUTOMAT CONTR 47 (6): 945-959 JUN 2002

Gomez-Stern F, Fornes JM, Rubio FR
Dead-time compensation for ABR traffic control over ATM networks
CONTROL ENG PRACT 10 (5): 481-491 MAY 2002

Low SH, Paganini F, Doyle JC
Internet congestion control
IEEE CONTR SYST MAG 22 (1): 28-43 FEB 2002

Bhatnagar S, Fu MC, Marcus SI, et al.
Optimal structured feedback policies for ABR flow control using two-timescale SPSA
IEEE ACM T NETWORK 9 (4): 479-491 AUG 2001

Palhares RM, de Souza CE, Peres PLD
Robust H-infinity filtering for uncertain discrete-time state-delayed systems
IEEE T SIGNAL PROCES 49 (8): 1696-1703 AUG 2001

The paper:

[J17] S. MASCOLO,
"Smith's Principle for Congestion Control in High Speed Data Networks",
IEEE Trans. on Automatic Control, vol. 45, no. 2, Feb 2000, pp. 358–364.

Has been quoted in the following 8 papers:

Yang B, Guan XP
A neural network adaptive controller for explicit congestion control with time delay
LECT NOTES COMPUT SC 3174: 71-76 2004

Shen W, Shao HH
Design of the dual closed-loop flow rate controller based on H-infinity optimization theory for computer networks
SYST CONTROL LETT 52 (2): 85-98 JUN 2004

Tan LS, Pugh AC, Yin M
Rate-based congestion control in ATM switching networks using a recursive digital filter
CONTROL ENG PRACT 11 (10): 1171-1181 OCT 2003

Laberteaux KP, Rohrs CE, Antsaklis PJ
An adaptive inverse controller for explicit rate congestion control with guaranteed stability and fairness
INT J CONTROL 76 (1): 24-47 JAN 10 2003

Duan YB, Wen CY, Soong BH
Design of a new globally stable explicit rate controller for ABR service with saturation
COMPUT COMMUN 25 (8): 772-801 MAY 15 2002

Laberteaux KP, Rohrs CE, Antsaklis PJ
A practical controller for explicit rate congestion control
IEEE T AUTOMAT CONTR 47 (6): 960-978 JUN 2002

Abdallah CT, Ariola M, Koltchinskii V
Statistical-learning control of multiple-delay systems with applications to ATM networks
KYBERNETIKA 37 (3): 355-365 2001

Palhares RM, de Souza CE, Peres PLD
Robust H-infinity filtering for uncertain discrete-time state-delayed systems
IEEE T SIGNAL PROCES 49 (8): 1696-1703 AUG 2001

The paper:

[J20] C. CASETTI, M. GERLA, S. MASCOLO, M. SANADIDI, R. WANG
"TCP Westwood: end-to-end bandwidth estimation for enhanced transport over wireless links",
ACM Wireless Networks, (Special issue with *Selected papers from Mobicom 2001*), vol. 8, no. 5, Sept. 2002

Has been quoted in the following 7 papers:

Deng XH, Chen ZG, Zhang LM
A parameterized model of TCP slow start
LECT NOTES COMPUT SC 3222: 316-324 2004

Krishnan R, Sterbenz JPG, Eddy WM, et al.
Explicit transport error notification (ETEN) for error-prone wireless and satellite networks
COMPUT NETW 46 (3): 343-362 OCT 22 2004

Caini C, Firrincieli R
TCP Hybla: a TCP enhancement for heterogeneous networks
INT J SATELL COMM N 22 (5): 547-566 SEP-OCT 2004

Papanastasiou S, Ould-Khaoua M
Exploring the performance of TCP Vegas in mobile ad hoc networks
INT J COMMUN SYST 17 (2): 163-177 MAR 2004

Lee SH, Ahn HG, Lim JS, et al.
Performance comparision between TCP-Reno and Freeze-Snoop TCP/SACK over cdma2000 network environments
LECT NOTES COMPUT SC 2720: 462-470 2003

Law KLE, Hung WC

Problem investigations in TCP flow control mechanisms
DYNAM CONT DIS SER B 10 (4): 603-618 AUG 2003

Ratnam K, Matta I
WTCP: an efficient mechanism for improving wireless access to TCP services
INT J COMMUN SYST 16 (1): 47-62 FEB 2003

The paper:

[C28] S. MASCOLO, C. CASETTI, M. GERLA, S. LEE, M. SANADIDI,
"TCP Westwood: bandwidth estimation for enhanced transport over wireless links",
Proceedings of ACM Mobicom, July 2001.

Has been quoted in the following 6 papers:

Rajiv Chakravorty, Sachin Katti, Ian Pratt, Jon Crowcroft (University of Cambridge,UK)
Flow Aggregation for Enhanced TCP over Wide Area Wireless
Proc. of Infocom 2003, April 2003 New York

Laura Galluccio, Giacomo Morabito, Sergio Palazzo (University of Catania)
An Analytical Study of a Tradeoff Between Transmission Power and FEC for TCP Optimization in Wireless Networks
Proc. of Infocom 2003, April 2003 New York

Rajesh Krishnan, Mark Allman, Craig Partridge, James P.G. Sterbenz, and William Ivancic, "Explicit Transport Error Notification (ETEN) for Error-Prone Wireless and Satellite Networks - Summary,"
Earth Science Technology Conference - 2002 , Pasadena, CA, USA, June 11-13, 2002.

Itaya N, Kasahara S
Dynamic parameter adjustment for availalble-bandwidth estimation of TCP in wired-wireless networks
COMPUT COMMUN 27 (10): 976-988 JUN 20 2004

Wu EHK, Chen MZ
JTCP: Jitter-based TCP for heterogeneous wireless networks
IEEE J SEL AREA COMM 22 (4): 757-766 MAY 2004

Zhang YG
A multilayer IP security protocol for TCP performance enhancement in wireless networks
IEEE J SEL AREA COMM 22 (4): 767-776 MAY 2004

The paper:

[J15] S. MASCOLO, D. CAVENDISH, M. GERLA,
"ATM Rate Based Congestion Control Using a Smith Predictor",
Performance Evaluation, **Special Issue on "ATM Traffic Control"**, vol. 31, no. 1-2, Nov. 1997, pp. 51-65, Elsevier, North-Holland.

Has been quoted in:

Kabamba PT, Meerkov SM, Stark WE, et al.
Feedforward control of data rate in wireless networks
IEEE Trans VEHICULAR TECHNOL 51 (5): 1206-1222 SEP 2002

The paper:

[C6] S.MASCOLO, D. CAVENDISH, M. GERLA,
"ATM Rate Based Congestion Control Using a Smith Predictor: an EPRCA Implementation",
Proc. of IEEE Infocom 96, S. Francisco, March 1996, pp. 569-576.

Has been quoted in the following 15 papers:

Kim HS, Shin SY, Kwon WH
Feedback control for QoS of mixed traffic in communication networks
CONTROL ENG PRACT 12 (5): 527-536 MAY 2004

Loguinov D, Radha H
End-to-end rate-based congestion control: Convergence properties and scalability analysis
IEEE ACM T NETWORK 11 (4): 564-577 AUG 2003

Blanchini F, Lo Cigno R, Tempo R
Robust rate control for integrated services packet networks
IEEE ACM T NETWORK 10 (5): 644-652 OCT 2002

Gomez-Stern F, Fornes JM, Rubio FR
Dead-time compensation for ABR traffic control over ATM networks
CONTROL ENG PRACT 10 (5): 481-491 MAY 2002

Parekh S, Gandhi N, Hellerstein J, et al.
Using control theory to achieve service level objectives in performance management
REAL-TIME SYST 23 (1-2): 127-141 JUL-SEP 2002

Quet PF, Ataslar B, Iftar A, et al.
Rate-based flow controllers for communication networks in the presence of uncertain time-varying multiple time-delays
AUTOMATICA 38 (6): 917-928 JUN 2002

Bhatnagar S, Fu MC, Marcus SI, et al.
Optimal structured feedback policies for ABR flow control using two-timescale SPSA
IEEE ACM T NETWORK 9 (4): 479-491 AUG 2001

Imer OC, Compans S, Basar T, et al.
Available bit rate congestion control in ATM networks - Developing explicit rate control algorithms
IEEE CONTR SYST MAG 21 (1): 38-56 FEB 2001

Li N, Park S, Li S
A selective attenuation feedback mechanism for rate oscillation avoidance
COMPUT COMMUN 24 (1): 19-34 Sp. Iss. SI JAN 1 2001

Das A, Srikant R
Diffusion approximations for a single node accessed by congestion-controlled sources
IEEE T AUTOMAT CONTR 45 (10): 1783-1799 OCT 2000

Shen XM, Mark JW
A feedback flow control model for ABR services: An H-infinity optimization approach
DYN CONTIN DISCRET I 6 (4): 489-502 DEC 1999

Altman E, Basar T, Srikant R
Congestion control as a stochastic control problem with action delays
AUTOMATICA 35 (12): 1937-1950 DEC 1999

Kolarov A, Ramamurthy G
A control-theoretic approach to the design of an explicit rate controller for ABR service
IEEE ACM T NETWORK 7 (5): 741-753 OCT 1999

Li BC, Nahrstedt K
A control-based middleware framework for quality-of-service adaptations
IEEE J SEL AREA COMM 17 (9): 1632-1650 SEP 1999

Kuo GS, Ko PC
Achieving minimum slice loss for real-time MPEG-2-based video networking in a flow-oriented input queued ATM switching router system
IEEE COMMUN MAG 37 (1): 58-62 JAN 1999

The paper:

[C9] S. MASCOLO,
"Smith's principle for Congestion control in ATM High Speed Networks ",
Proc. of IEEE 36th Conference on Decison and Control, Dec. 1997, pp. 4595-4600, S. Diego.

Has been quoted in the following 3 papers

Niculescu SI, Gu KQ
Robust stability of some oscillatory systems including time-varying delay with applications in congestion control
ISA T 42 (4): 595-603 OCT 2003

Sichitiu ML, Bauer PH, Premaratne K
The effect of uncertain time-variant delays in ATM networks with explicit rate feedback: A control theoretic approach
IEEE ACM T NETWORK 11 (4): 628-637 AUG 2003

Gomez-Stern F, Fornes JM, Rubio FR
Dead-time compensation for ABR traffic control over ATM networks
CONTROL ENG PRACT 10 (5): 481-491 MAY 2002

The paper:

[C20] S. MASCOLO
"Classical Control Theory for Congestion Avoidance in High Speed Internet"
Invited paper, IEEE Conf. on Dec. and Control, Dec. 1999, pp. 2709, 2714, Phoenix, Az.

Has been quoted in the following 5 papers:

Niculescu SI, Michiels W
Stabilizing a chain of integrators using multiple delays
IEEE T AUTOMAT CONTR 49 (5): 802-807 MAY 2004

Niculescu SI, Gu KQ
Robust stability of some oscillatory systems including time-varying delay with applications in congestion control
ISA T 42 (4): 595-603 OCT 2003

Diao Y, Hellerstein JL, Parekh S, et al.
Managing Web server performance with AutoTune agents
IBM SYST J 42 (1): 136-149 2003

Parekh S, Gandhi N, Hellerstein J, et al.
Using control theory to achieve service level objectives in performance management
REAL-TIME SYST 23 (1-2): 127-141 JUL-SEP 2002

Zhang W, Branicky MS, Phillips SM
Stability of networked control systems
IEEE CONTR SYST MAG 21 (1): 84-99 FEB 2001

The paper

[J.2] M.P. FANTI, B. MAIONE, S. MASCOLO, B. TURCHIANO, "Performance of Deadlock Avoidance Algorithms in Flexible Manufacturing Systems", **Journal of Manufacturing Systems**, vol. 13, no.3, 1996, Society of Manufacturing Engineers.

has been quoted in the following 3 papers:

Fanti MP, Zhou MC
Deadlock control methods in automated manufacturing systems
IEEE T SYST MAN CY A 34 (1): 5-22 JAN 2004

Lawley M, Reveliotis S, Ferreira P, "The application and evaluation of banker's algorithm for deadlock-free buffer space allocation in flexible manufacturing systems",
Int. J. Flex. Manuf. Sys. 10: (1) 73-100 FEB 1998

Ferrarini L, Piroddi L, Allegri S, "A comparative performance analysis of deadlock avoidance control algorithms for FMS",
J INTELL MANUF 10: (6) 569-585 DEC 1999

The paper:

[J11] G. GRASSI, S. MASCOLO,
"Synchronizing hyperchaotic systems by observer design",
IEEE Transaction on Circuits and Systems, part II:Analog and Digital Signal Processing, vol. 46, no. 4, April 1999, pp. 478–482.

has been quoted in the following 14 papers:

Cafagna D, Grassi G
A new phenomenon in nonautonomous Chua's circuits: Generation of chaotic beats
INT J BIFURCAT CHAOS 14 (5): 1773-1788 MAY 2004

Ge ZM, Chen YS
Synchronization of unidirectional coupled chaotic systems via partial stability
CHAOS SOLITON FRACT 21 (1): 101-111 JUL 2004

Zhou SB, Liao XF, Yu JB, et al.
Chaos and its synchronization in two-neuron systems with discrete delays
CHAOS SOLITON FRACT 21 (1): 133-142 JUL 2004

Cafagna D, Grassi G
New 3D-scroll attractors in hyperchaotic Chua's circuits forming a ring
INT J BIFURCAT CHAOS 13 (10): 2889-2903 OCT 2003

Cafagna D, Grassi G
Hyperchaotic coupled chua circuits: An approach for generating new n x m-scroll attractors
INT J BIFURCAT CHAOS 13 (9): 2537-2550 SEP 2003

Song YX, Yu XH
Chaos synchronization from an invariant manifold approach
DYNAM CONT DIS SER B 10 (6): 879-889 DEC 2003

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Cannas B, Cincotti S
Hyperchaotic behaviour of two bi-directionally coupled Chua's circuits
INT J CIRC THEOR APP 30 (6): 625-637 NOV-DEC 2002

Grassi G, Miller DA
Theory and experimental realization of observer-based discrete-time hyperchaos synchronization
IEEE T CIRCUITS-I 49 (3): 373-378 MAR 2002

Lian KY, Liu P, Chiang TS, et al.
Adaptive synchronization design for chaotic systems via a scalar driving signal
IEEE T CIRCUITS-I 49 (1): 17-27 JAN 2002

Alvarez-Ramirez J, Puebla H, Cervantes I
Convergence rate of observer-based approach for chaotic synchronization
PHYS LETT A 289 (4-5): 193-198 OCT 22 2001

Lian KY, Chiu CS, Chiang TS, et al.
LMI-based fuzzy chaotic synchronization and communications
IEEE T FUZZY SYST 9 (4): 539-553 AUG 2001

Miller DA, Grassi G
Experimental realization of observer-based hyperchaos synchronization
IEEE T CIRCUITS-I 48 (3): 366-374 MAR 2001

Lian KY, Chiang TS, Chiu CS
Synthesis of fuzzy model-based designs to synchronization and secure communications for chaotic systems
IEEE T SYST MAN CY B 31 (1): 66-83 FEB 2001

The paper:

[J7] G. GRASSI, S. MASCOLO,
"A System Theory Approach for Designing Cryptosystems Based on Hyperchaos",
IEEE Transaction on Circuits and Systems, Part I: Fundamental Theory and Applications, vol. 46, n. 9, Sept. 1999, pp.1135-1138

has been quoted in the following 10 papers:

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Jiang GP, Chen GR, Tang WKS
A new criterion for chaos synchronization using linear state feedback control
INT J BIFURCAT CHAOS 13 (8): 2343-2351 AUG 2003

Lian KY, Liu P, Chiu CS, et al.
Fuzzy model-based approach to chaotic encryption using synchronization
INT J BIFURCAT CHAOS 13 (1): 215-225 JAN 2003

Storm C, Freeman WJ
Detection and classification of nonlinear dynamic switching events
PHYS REV E 66 (5): art. no. 057202 NOV 2002

Grassi G, Miller DA
Theory and experimental realization of observer-based discrete-time hyperchaos synchronization
IEEE T CIRCUITS-I 49 (3): 373-378 MAR 2002

Jiang ZP
A note on chaotic secure communication systems
IEEE T CIRCUITS-I 49 (1): 92-96 JAN 2002

Femat R, Jauregui-Ortiz R, Solis-Perales G
A chaos-based communication scheme via robust asymptotic feedback
IEEE T CIRCUITS-I 48 (10): 1161-1169 OCT 2001

Miller DA, Grassi G
Experimental realization of observer-based hyperchaos synchronization
IEEE T CIRCUITS-I 48 (3): 366-374 MAR 2001

Wu CJ, Lee YC
Observer-based method for secure communication of chaotic systems
ELECTRON LETT 36 (22): 1842-1843 OCT 26 2000

Murali K
Heterogeneous chaotic systems based cryptography
PHYS LETT A 272 (3): 184-192 JUL 24 2000

The paper:

[J12] G. GRASSI, S. MASCOLO,
"Synchronizing high dimensional Chaotic systems via eigenvalues placement with applications to cellular neural networks",
International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, April 1999, vol.9, (no.4):705-11.

Has been quoted in the following 12 papers:

Zhang YP, Su JT
Delay-dependent stability criteria for coupled chaotic systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 22 (1): 199-205 OCT 2004

Sun JT
Global synchronization criteria with channel time-delay for chaotic time-delay system
CHAOS SOLITON FRACT 21 (4): 967-975 AUG 2004

Ge ZM, Chen YS
Synchronization of unidirectional coupled chaotic systems via partial stability
CHAOS SOLITON FRACT 21 (1): 101-111 JUL 2004

Buric N, Todorovic D
Synchronization of hyperchaotic systems with delayed bidirectional coupling
PHYS REV E 68 (6): art. no. 066218 Part 2 DEC 2003

Jiang GP, Zheng WX, Chen GR
Global chaos synchronization with channel time-delay
CHAOS SOLITON FRACT 20 (2): 267-275 APR 2004

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Sun JT, Zhang YP, Qiao F, et al.
Some impulsive synchronization criterions for coupled chaotic systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 19 (5): 1049-1055 MAR 2004

Sun JT, Zhang YP
Some simple global synchronization criterions for coupled time-varying chaotic systems
CHAOS SOLITON FRACT 19 (1): 93-98 JAN 2004

Sun JT
Some global synchronization criteria for coupled delay-systems via unidirectional linear error feedback approach
CHAOS SOLITON FRACT 19 (4): 789-794 MAR 2004

Jiang GP, Tang WKS
A global synchronization criterion for coupled chaotic systems via unidirectional linear error feedback approach
INT J BIFURCAT CHAOS 12 (10): 2239-2253 OCT 2002

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Jiang GP, Tang WKS, Chen GR

A simple global synchronization criterion for coupled chaotic systems
CHAOS SOLITON FRACT 15 (5): 925-935 MAR 2003

The paper:

[J4] S. MASCOLO, G. GRASSI,
"Controlling chaotic dynamics using backstepping design with application to the Lorenz system and Chua's circuit
International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, vol. 9, n. 7, July 1999, pp. 1425-1434.

Has been quoted in the following 10 papers:

Lu Z, Shieh LS, Chandra J
Tracking control of nonlinear systems: A sliding mode design via chaotic optimization
INT J BIFURCAT CHAOS 14 (4): 1343-1355 APR 2004

Zhang J, Li C, Zhang HB, et al.
Chaos synchronization using single variable feedback based on backstepping method
CHAOS SOLITON FRACT 21 (5): 1183-1193 SEP 2004

Lu Z, Shieh LS, Chen GR
On robust control of uncertain chaotic systems: a sliding-mode synthesis via chaotic optimization
CHAOS SOLITON FRACT 18 (4): 819-827 NOV 2003

Andrievskii BR, Fradkov AL
Control of chaos: Methods and applications. I. Methods
AUTOMAT REM CONTR+ 64 (5): 673-713 MAY 2003

Jiang GP, Chen GR, Tang WKS
Stabilizing unstable equilibrium points of a class of chaotic systems using a state PI regulator
IEEE T CIRCUITS-I 49 (12): 1820-1826 DEC 2002

Tan XH, Zhang JY, Yang YR
Synchronizing chaotic systems using backstepping design
CHAOS SOLITON FRACT 16 (1): 37-45 MAR 2003

Barone K, Singh SN
Adaptive feedback linearizing control of Chua's circuit
INT J BIFURCAT CHAOS 12 (7): 1599-1604 JUL 2002

Araujo AD, Singh SN
Output feedback adaptive variable structure control of chaos in Lorenz system
INT J BIFURCAT CHAOS 12 (3): 571-582 MAR 2002

Lu JG, Wei R, Wang XF, et al.
Backstepping control of discrete-time chaotic systems with application to the Henon system
IEEE T CIRCUITS-I 48 (11): 1359-1363 NOV 2001

Lu JH, Zhang SC
Controlling Chen's chaotic attractor using backstepping design based on parameters identification
PHYS LETT A 286 (2-3): 148-152 JUL 23 2001

The paper:

[J10] G. GRASSI, S. MASCOLO,
"Synchronization of high-dimensional chaos generators by observer design",
International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, June 1999, vol.9, (no.6):1175-80.

Has been quoted in the following 3 papers:

Ge ZM, Chen YS
Synchronization of unidirectional coupled chaotic systems via partial stability
CHAOS SOLITON FRACT 21 (1): 101-111 JUL 2004

Millerioux G, Daafouz J
Global chaos synchronization and robust filtering in noisy context
IEEE T CIRCUITS-I 48 (10): 1170-1176 OCT 2001

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

The paper:

[J8] G. GRASSI, S. MASCOLO,
"Observer Design for Cryptography based on Hyperchaotic Oscillators",
IEE Electronics Letters, 17 Sept. 1998, vol.34, (no.19):1844-6.

Has been quoted in the following 3 papers seguenti:

Wong KW
A fast chaotic cryptographic scheme with dynamic look-up table
PHYS LETT A 298 (4): 238-242 JUN 10 2002

Wong WK, Lee LP, Wong KW
A modified chaotic cryptographic method
COMPUT PHYS COMMUN 138 (3): 234-236 AUG 15 2001

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

The paper:

[J13] G. GRASSI, S. MASCOLO,
"Synchronization of hyperchaotic oscillators using a scalar signal",
IEE Electronics Letters, 5 March 1998, vol.34, (no.5):424-425

Has been quoted in the following 2 papers:

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

Liao TL, Tsai SH
Synchronisation of hyperchaotic oscillator using scalar transmitted signal
ELECTRON LETT 35 (3): 245-246 FEB 4 1999

The paper:

[J5] S. MASCOLO, G. GRASSI,
"Controlling chaos via backstepping design",

Physical Review E (*Statistical Physics, Plasmas, Fluids, and Related Interdisciplinary Topics)*, vol. 56, no. 5-B, Nov. 1997, The American Physical Society, pp. 6166–6169.

Has been quoted in the following 2 papers:

Kumar CVA, Dasan J, Ramamohan TR
Comparative analysis of a heuristic control of chaos algorithm in some model systems
INT J BIFURCAT CHAOS 10 (1): 237-249 JAN 2000

Andrievskii BR, Fradkov AL
Control of chaos: Methods and applications. I. Methods
AUTOMAT REM CONTR+ 64 (5): 673-713 MAY 2003

The paper:

[J9] G. GRASSI, S. MASCOLO,
"Chaos Synchronization in high-order circuits and time-delay systems using observers",
IEE Electronics Letters, 27 May 1999, vol.35, (no.11):939-40.

Has been quoted in:

Cafagna D, Grassi G
A novel framework for synchronizing via scalar signal hyperchaotic systems with one or several nonlinearities
INT J BIFURCAT CHAOS 13 (8): 2335-2342 AUG 2003

The paper:

[J18] G. GRASSI, S. MASCOLO,
"A systematic procedure for synchronizing hyperchaos via observer design",
Journal of Circuits, Systems, and Computers, Vol. 11, No. 1 (2002) 1-16, World Scientific Publishing Company. **(Letter)**

Has been quoted in:

Grassi PA, Policastro G, van Nieuwenhuizen P
An introduction to the covariant quantization of superstrings
CLASSICAL QUANT GRAV 20 (12): S395-S410 JUN 21 2003