

PAST AWARD WINNERS**TABLE OF CONTENTS**

QUAZZA MEDAL	2
NICHOLS MEDAL	3
INDUSTRIAL ACHIEVEMENT AWARD	4
MANFRED THOMA MEDAL	4
HIGH IMPACT PAPER AWARD	5
HAROLD CHESTNUT CONTROL ENGINEERING TEXTBOOK PRIZE	6
APPLICATIONS PAPER PRIZE	7
YOUNG AUTHOR PRIZE	8
AUTOMATICA PAPER PRIZE	10
CONTROL ENGINEERING PRACTICE PAPER PRIZE	12
JOURNAL OF PROCESS CONTROL PAPER PRIZE	14
ENGINEERING APPLICATIONS OF AI PAPER PRIZE	16
MECHATRONICS JOURNAL PAPER PRIZE	18
NAHS PAPER PRIZE AWARD	19
BEST INTERACTIVE (POSTER) PAPER PRIZE	20

QM: GIORGIO QUAZZA MEDAL
(Created 1979)

CONGRESS SITE, YEAR	WINNER	COUNTR
KYOTO, 1981	JOHN F. COALES	UK
BUDAPEST, 1984	YAKOV Z. TSYPKIN	SU
MUNICH, 1987	KARL J. ÅSTRÖM	SE
TALLIN, 1990	PETAR KOKOTOVIC	US
SYDNEY, 1993	EDWARD J. DAVISON	CA
SAN FRANCISCO, 1996	ALBERTO ISIDORI	IT
BELJING, 1999	BRIAN D.O. ANDERSON	AU
BARCELONA, 2002	LENNART LJUNG	SE
PRAGUE, 2005	TAMER BASAR	US
SEOUL, 2008	GRAHAM GOODWIN	AU
MILAN, 2011	HIDENORI KIMURA	JP
CAPE TOWN, 2014	DAVID MAYNE	UK
TOULOUSE, 2017	ROGER BROCKETT	US

NM: NATHANIEL B. NICHOLS MEDAL
(Created 1996)

CONGRESS SITE, YEAR	WINNER	COUNTRY
SAN FRANCISCO, 1996	JÜRGEN ACKERMANN	DE
BEIJING, 1999	GUNTHER STEIN	US
BARCELONA, 2002	CARL NETT	US
PRAGUE, 2005	WILLIAM F. POWERS	US
SEOUL, 2008	GERD HIRZINGER	DE
MILAN, 2011	SIVA BANDA	US
CAPE TOWN, 2014	REZA MOHEIMANI	AU
TOULOUSE, 2017	LENNART LJUNG	SE

IAA: INDUSTRIAL ACHIEVEMENT AWARD (Created 2000)

CONGRESS SITE, YEAR	WINNER	COUNTRY
BARCELONA, 2002	YASUO ICHII, SHOJI MURAYAMA AND TAKAHIRO YAMASAKI	JP
PRAGUE, 2005	SERGE BOVERIE	FR
SEOUL, 2008	NOT AWARDED	
MILAN, 2011	ANTON VAN ZANTEN	DE
CAPE TOWN, 2014	ANGELIKI PANTAZI, MARK LANTZ, JENS JELITTO AND GIOVANNI CHERUBINI	CH
TOULOUSE, 2017	FRANCESCO BORRELLI, DAVID GERMANN, DEJAN KIHAS, DANIEL PACHNER, GREG STEWART	US/CA/CZ

MTM: MANFRED THOMA MEDAL (Created 2015)

CONGRESS SITE, YEAR	WINNER	COUNTRY
TOULOUSE, 2017	MING CAO	NL

HIIPA: HIGH IMPACT PAPER AWARD (Created 2010)

CONGRESS SITE, YEAR	WINNER	COUNTRY
MILAN, 2011	DAVID MAYNE, J.B. RAWLINGS, C.V. RAO, P.O.M. SCOKAERT	UK, US, BE
CAPE TOWN, 2014	ALBERTO BEMPORAD AND MANFRED MORARI	IT, CH
TOULOUSE, 2017	FRANCO BLANCHINI	IT

TBP: HAROLD CHESTNUT TEXTBOOK PRIZE
(Created 1986, renamed in 2002)

CONGRESS SITE, YEAR	WINNER	COUNTRY
MUNICH, 1987	G. GOODWIN, K.H. SIN: Adaptive Filtering, Prediction and Control, Prentice Hall, 1984	AU
TALLIN, 1990	G.F. FRANKLIN, J.D. POWELL, E. EMAMI-NAEINI: Feedback Control of Dynamic Systems, Addison Wesley, 1986	US
SYDNEY, 1993	K.J. ÅSTRÖM, B. WITTENMARK: Computer Controlled Systems, Theory and Design, Prentice Hall, 1984	SE
SAN FRANCISCO, 1996	J.M. MACIEJOWSKI: Multivariable Feedback Design, Addison-Wesley, 1989	UK
BEIJING, 1999	C.G. CASSANDRAS: Discrete event systems: modeling and performance analysis, R.D. Irwin, Inc. And Aksen Associates, Inc., Boston, MA, 1993.	US
BARCELONA, 2002	HASSAN K. KHALIL: Nonlinear Systems (Prentice Hall, 1996 and 2002)	US
PRAGUE, 2005	G. GOODWIN, S. GRAEBE, M. SALGADO Control Systems Design (Prentice Hall, 2001)	AU/AT/CL
SEOUL, 2008	Not awarded	
MILAN, 2011	K.J. ÅSTRÖM, R. MURRAY Feedback Systems: An Introduction for Scientists and Engineers (Princeton University Press 2008)	SE/UK
CAPE TOWN, 2014	M. KRSTIC, A. SMYSHLYAEV Boundary Control of PDEs: A Course on Backstepping Designs (published by SIAM, 2008)	US/US
TOULOUSE, 2017	P. ALBERTOS, I. MAREELS Feedback and Control for Everyone (published by Springer, 2010)	ES/AU

APP: APPLICATION PAPER PRIZE (Created 1986)

CONGRESS SITE, YEAR	WINNER	COUNTRY
MUNICH, 1987	Not Awarded Candidates for APP were published in Newsletters, 6, 1987	
TALLIN, 1990	S.M. MEERKOV, F. TOP: Asymptotically Reliable Serial Lines: Analysis, Synthesis and a Case Study	US
SYDNEY, 1993	M. NAKAMOTO, K. SHIMIZU, H. FUKUDA: Multivariable Control for a Combined Cycle Power Plant	JP
SAN FRANCISCO, 1996	J.M. SEEM: A New Pattern Recognition Adaptive Controller	US
BEIJING, 1999	J.F. MAGNI, C. DOLL, C. CHIAPPA, B. FRAPARD, B. GIROUART Mixed μ Analysis for Flexible Systems (I and II).	FR
BARCELONA, 2002	JOACHIM HORN, JOACHIM BAMBERGER, PETER MICHAU AND STEPHAN PINDL: Flatness-Based Clutch Control for Automated Manual Transmissions	DE
PRAGUE, 2005	ANDREA BALLUCHI, LUCA BENVENUTI, ALBERTO SANGIOVANNI-VINCENTELLI, GABRIELE SERRA, CLAUDIO LEMMA Actual Engaged Gear Identification: A Hybrid Observer Approach	IT
	STAFFAN HAUGWITZ, PER HAGANDER Process Control of an Open Plate Reactor	SE
SEOUL, 2008	CHRISTIAN BENATZKY, MARTIN KOZEK, ALEXANDER SCHIRRER, & ANTON STRIBERSKY Vibration Damping of a Flexible Car Body Structure Using Piezo-Stack Actuators	AT
MILAN, 2011	GODHAVN, A. PAVLOV, G-OL KAASA, N.L. ROLLAND Drilling Seeking Automatic Control Solutions	NO
CAPE TOWN, 2014	C. CASENAVE, D. DOCHAIN, J. HARMAND, M. PEREZ, A. RAPAPORT, J-M. SABLAYROLLES, Control of a Multi-stage Continuous Fermentor for the Study of the Wine Fermentation	FR/BE
TOULOUSE, 2017	D. MOSER, M. REITER, L. DEL RE Stochastic Modeling of Lane Changes for Predictive active Cruise Control	AT

YAP: YOUNG AUTHOR PRIZE (Created 1986)

CONGRESS SITE, YEAR	WINNER	COUNTRY
MUNICH, 1987	H. KASAHARA, H. FUJII, M. IWATA Parallel Processing of Robot Simulation	JP
TALLIN, 1990	R. KULHAVY Differential Geometry of Recursive Nonlinear Estimation	CZ
SYDNEY, 1993	L. GUO The Logarithm Law of Self Tuning Regulators	CN
SAN FRANCISCO, 1996	L. PAO Input Shaping Design for Flexible Systems with Multiple Actuators	US
	K.H. JOHANSSON; A. RANTZER Global analysis of third-order relay feedback systems	SE
BELJING, 1999	Y. HONG H-infinity control, stabilization and input-output stability of nonlinear systems based on homogeneous techniques	US
BARCELONA, 2002	DANIEL LIBERZON Stabilization by Quantized State or Output Feedback: A Hybrid Control Approach	US
PRAGUE, 2005	LEI ZHANG, DIMITRIOS HRISTU-VARSAKELIS: Stabilization of Networked Control Systems: Designing Effective Communication Sequences	US
	SATORU SAKAI, KENJI FUJIMOTO: Dynamic Output Feedback Stabilization of a Class of Nonholonomic Hamiltonian Systems	JP
SEOUL, 2008	LACHLAN BLACKHALL & MICHAEL ROTKOWITZ Recursive Sparse Estimation using a Gaussian Sum Filter	AU
MILAN, 2011	JING ZHANG AND RE-BING WU Coherent Nonlinear Feedback Control of Quantum Systems with Applications to Quantum Optics on Chip	CN
CAPE TOWN, 2014	PONTUS GISELSSON Improved Fast Dual Gradient Methods for Embedded Model Predictive Control	SE

TOULOUSE, 2017	RAIK SUTTNER: Exponential Stability for Extremum Seeking Control Systems LUCA DEORI: On the Connection between Nash Equilibria and Social Optima in Electric Vehicle Charging Control Games	DE IT
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AUT PP: AUTOMATICA PAPER PRIZE

(Created 1979)

(1. SURVEY; 2. THEORY/METHODOLOGY ORIENTED; 3. APPLICATION)

CONGRESS SITE, YEAR	WINNERS	COUNTRY
KYOTO, 1981	1. T. SÖDERSTRÖM, L. LJUNG, I. GUSTAVSSON: A Theoretical Analysis of Recursive Identification Methods, 14, 231-244, 1978	SE
	2. J. RISSANEN: Modeling by Shortest Data Description, 14, 465-471, 1978	CA
	3. G.K. LAUSTERER, W.H. RAY, H.R. MARTENS: Real Time Distributed Parameter State Estimation Applied to a Two Dimensional Heated Ingot, 14, 335-344, 1978	DE, US
BUDAPEST, 1984	1. K.J. ÅSTRÖM: Theory and Applications of Adaptive Control - A Survey, 19, 5, 471-486, 1983	SE
	2. H. KIMURA: Perfect and Subperfect Regulation in Linear Multivariable Control Systems, 18, 2, 125-145, 1982	JP
	R. ROUHANI, R.K. MEHRA: Model Algorithmic Control (MAC); Basic Theoretical Properties, 18, 4, 401-414, 1982	US
3. T. SHIRAIWA, Y. SAKAMOTO, S. KOBAYASHI, S. ANEZAKI, H. KATO, A. KUWABARA: Automatic Control of Casting Speed in Ingot Casting, 17, 4, 613-618, 1981	JP	
MUNICH, 1987	1. W. LEINHARD: Microcomputer Control of High Dynamic Performance AC-Drives - A Survey, 22, 1, 1-19, 1986	UK
	2. D.W. CLARKE: Self-Tuning Control of Nonminimum-Phase Systems, 20,5,501-517, 1984	NL
	J.C. WILLEMS: From Time Series to Linear Systems, Part 1: Finite Dimensional Linear Time Invariant Systems, 22,5, 561-580, 1986; Part 2: Exact Modeling, 22, 6, 675-694, 1986; Part 3: Approximate Modeling, 1, 87-115, 1987	BE
3. O.L.R. JACOBS, R.E.S. BULLINGHAM, P. LAMMER, H.J. MCDUAY, G.O. SULLIVAN, M.P. REASBECK: Modeling, Estimation and Control in the Relief of Post-Operative Pain, 21, 4, 349-360, 1985	UK	
TALLIN, 1990	1. V. KUCERA, P. ZAGALAK: Fundamental Theorem of State Feedback for Singular Perturbations, 24, 5, 653-658, 1988	CZ
	2. B.R. BARMISH, Z. SHI: Robust stability of Perturbed Systems with Time Delays, 25, 3, 371-381, 1989	US
	3. I. HOSHINA, Y. MAEKAWA, T. FUJIMOTO, H. KIMURA, H. KIMURA: Observer-Based Multivariable Control of the Aluminum Cold Tandem Mill, 24, 6, 741-754, 1988	JP
SYDNEY, 1993	1. L. LJUNG, S. GUNNARSSON: Adaptation and Tracking in System Identification - A Survey, 26,1, 7-21, 1990	SE
	2. B.R. BARMISH, R. TEMPO: The Robust Root Locus, 26, 2, 283-292, 1990	US, IT
	3. C.I. BYRNES, A. ISIDORI: On the Attitude Stabilization of Rigid Spacecraft, 27, 1, 87-95, 1991	US, IT
SAN FRANCISCO, 1996	1. R. DAVID, H. ALLA: Petri Nets for Modeling of Dynamic Systems - A Survey, 30, 2, 175-202, 1994	FR
	2. P. VAN OVERSCHEE, B. DE MOOR: N4SID: Subspace Algorithms for the Identification of Combined Deterministic-Stochastic Systems, 30, 1, 75-94, 1994	BE
	3. A. J. SORENSON, O. EGELAND: Design of Ride Control System for Surface Effect Ships Using Dissipative Control, 31, 2, 183-200, 1995	NO

BEIJING, 1999	<ol style="list-style-type: none"> 1. B.D.O. ANDERSON: From Youla-Kucera to Identification, Adaptation and Nonlinear Control, 34, 12,1485-1506, 1998. 2. N. LEONARD: Stability of Bottom-Heavy Underwater Vehicles, 33, 3, 331-346, 1997. 3. A. SEEM: A New Pattern Recognition Adaptive Controller with Applications to HVAC Systems, 34, 8, 969-982, 1998. 	<p>AU US</p> <p>US</p>
BARCELONA, 2002	<ol style="list-style-type: none"> 1. F. BLANCHINI: Set Invariance in Control, 35, 11, 1747-1767, 1999. 2. M. VIDYASAGAR: Randomized Algorithms for Robust Controller Synthesis Using Statistical learning Theory, 37, 10, 1515-1528, 2001. 3. T.I. FOSSEN: Nonlinear Passive Weather Optimal Positioning Control (WOPC) System for Ships and Rigs: Experimental Results, 37, 5, 701-715, 2001. 	<p>IT</p> <p>IN</p> <p>NO</p>
PRAGUE, 2005	<ol style="list-style-type: none"> 1. J.P. RICHARD: Time Delay Systems: An overview of some recent advances and open problems 2. J.P. HESPANHA and A.S. MORSE: Switching Between Stabilizing Controllers 3. C. BONIVENTO, A. ISIDORI, L. MARCONI and A. PAOLI: Implicit Fault-tolerant Control: Application to Induction Motors 	<p>FR</p> <p>US</p> <p>IT</p>
SEOUL, 2008	<ol style="list-style-type: none"> 1. P.F. HOKAYEM and M.W. SPONG: Bilateral teleoperation: An historical survey 2. S.C. BENGEEA and R.A. DECARLO: Optimal control of switching systems 3. E. PREMPAIN and I. POSTLETHWAITE: Static H-infinity loop shaping control of a fly-by-wire helicopter 	<p>US</p> <p>US</p> <p>UK</p>
MILAN, 2011	<ol style="list-style-type: none"> 1. V. ANDRIEU and L. PRALY: A unifying point of view on output feedback designs for global asymptotic stabilization 2. DAIZHAN CHENG and HONGSHENG QI: Controllability and observability of Boolean control networks 3. HAN-LIM CHOI and J.P. HOW: Continuous Trajectory planning of mobile sensors for informative forecasting 	<p>FR</p> <p>CN</p> <p>KR</p>
CAPE TOWN, 2014	<ol style="list-style-type: none"> 1. H. OHLSSON, F. GUSTAFSSON, L. LJUNG and S. BOYD: Smoothed state estimates under abrupt changes using sum-of-norms regularization, Automatica, Vol. 48, No. 4, 595-605, 2012. 2. T. B. SCHON, A. WILLS and B. NINNESS: System identification of nonlinear state-space models, Automatica, vol. 47, No.1, pp. 39-49, 2011. 3. J. W. SIMPSON-PORCO, F. DORFLER and F. BULLO: Synchronization and power sharing for droop-controlled inverters in islanded microgrids, Automatica, Vol. 49, No. 9, 2603-2611, 2013. 	<p>SE,SE,SE,US</p> <p>SE,AU,AU</p> <p>US</p>
TOULOUSE, 2017	<ol style="list-style-type: none"> 1. G. PILLONETTO: A new kernel-based approach to hybrid system identification. Automatica, Vol. 70, August 2016, pp. 21-31. 2. J. SCHIFFER, R. ORTEGA, A. ASTOLFI, J. RAISCH, T. SEZI: Conditions for stability of droop-controlled inverter-based microgrids. Automatica, Vol. 50, October 2014, pp. 2457-2469. 3. J. K. SCOTT, D. M. RAIMONDO, G. R. MARSEGLIA, R. D. BRAATZ: Constrained zonotopes: A new tool for set-based estimation and fault detection. Automatica, Vol. 69, July 2016, pp. 126-136. 	<p>IT</p> <p>UK, FR, DE</p> <p>US, IT</p>

CEP PP:
CONTROL ENGINEERING PRACTICE PAPER PRIZE
(Created 1993)

(1. SURVEY; 2. THEORY/METHODOLOGY ORIENTED; 3. APPLICATION)

CONGRESS SITE, YEAR	WINNERS	COUNTRY
SAN FRANCISCO, 1996	N.G. WALKER, G.F. WYATT-MAIR: Sensor Signal Validation using Analytical Redundancy for an Aluminum Cold Rolling Mill, 3,6, 753-760	US
BEIJING, 1999	<ol style="list-style-type: none"> 1. P. BIDAN, L.K. KOUADIO, M. VALENTIN and G. MONTSENY: Electrical assistance for SI engine idle-speed control, 6, 7, 829-836, 1998. 2. J.H. MORTENSEN, T. MOELBAK, P. ANDERSEN and T.S. PEDERSEN: Optimization of boiler control to improve the load-following capability of power-plant units, 6, 12, 1531-1539, 1998. 3. M. WU, M. NAKANO and J.H. SHE: A distributed expert control system for a hydrometallurgical zinc process, 6, 12, 1435-1446, 1998. 	FR DK JP
BARCELONA, 2002	<ol style="list-style-type: none"> 1. H. SEKI, M. OGAWA, S. OYAMA, K. KAMATSU, M. OHSHIMA AND W. YANG: Industrial Application of a Nonlinear Model Predictive Control to Polymerization Reactors, 9, 8, 819-828, 2001. 2. A.J. SMERLAS, D.J. WALKER, I. POSTLETHWAITE, M.E. STRANGE, J. HOWITT, A.W. GUBBLES: Evaluation H-infinite Controllers on the NRC Bell 205 fly-by-wire helicopter, 9, 1, 1-10, 2001. 3. M. JÄRVENSIVU, K. SAARI, S.-L. JÄMSÄ-JOUNELA: Intelligent Control System of an Industrial Lime Kiln Process, 9, 6, 589-606, 2001. 	JP UK FI
PRAGUE, 2005	<ol style="list-style-type: none"> 1. S. JOE QIN and THOMAS A. BADGWELL: A survey of industrial model predictive control technology, 11, 7, 733-764, 2003 2. C. A. BODE, B. S. KO, and T. F. EDGAR: Run-to-run control and performance monitoring of overlay in semiconductor manufacturing, 12, 7, 893-900, 2004 3. OLIVER SAWODNY, HARALD ASCHEMANN, and STEPHAN LAHRES: An automated gantry crane as a large workspace robot, 10, 12, 1323-1338, 2002 	US US DE

SEOUL, 2008	<p>1. Z. K. NAGY, B. MAHN, R. FRANKE, F. ALLGÖWER: Evaluation study of an efficient output feedback nonlinear model predictive control for temperature tracking in an industrial batch reactor, Volume 15, Issue 7, pgs 839-850</p> <p>2. M MENSLER, S. JOE, T. KAWABE: Identification of a toroidal continuously variable transmission using continuous-time system identification methods", Volume 14, Issue 1, pgs 45-58</p> <p>3. S. HAUGWITZ, P. HAGANDER, T. NOREN: Modeling and control of a novel heat exchange reactor, the Open Plate Reactor, Volume 15, Issue 7, pgs 779-792</p>	<p>DE</p> <p>JP</p> <p>SE</p>
MILAN, 2011	<p>1. SEUNGWUK MOON, ILKI MOON, KYONGSU YI: Design, tuning and evaluation of a full-range adaptive Cruise control system with collision avoidance</p> <p>2. M. CORNO, S.M. SAVARESI, M. TANELLI, L. FABBRI: On optimal motorcycle braking</p> <p>3. C.A. MONJE, B.M. VINAGRE, V. FELIU, YANGQUAN CHEN: Tuning and auto-tuning of fractional order controllers for industry applications</p>	<p>KR</p> <p>IT</p> <p>ES</p>
CAPE TOWN, 2014	<p>1. G.M. HOFFMANN, H. HUANG, S. L. WASLANDER and C. J. TOMLIN: Precision flight control for a multi-vehicle quadrotor helicopter testbed, Control Engineering Practice, Vol. 19, No. 9, 1023-1036, 2011.</p> <p>2. T. CHAI, J. DING and F. WU: Hybrid intelligent control for optimal operation of shaft furnace roasting process, Control Engineering Practice , Vol. 19, No. 3, pp. 264-275, 2011.</p> <p>3. M. HILAIRET, M. GHANES, O. BETHOUX, V. TANASA, J-P. BARBOT and D. NORMAND-CYROT: A passivity-based controller for coordination of converters in a fuel cell system, Control Engineering Practice , Vol. 21, No. 8, 1097-1109, 2013.</p>	<p>US, US,CA, US</p> <p>CN</p> <p>FR</p>
TOULOUSE, 2017	<p>1. J. MONNIN, F. KUSTER, K. WEGENER: Optimal control for chatter mitigation in milling,</p> <ul style="list-style-type: none"> • Part 1: Modeling and Control Design, Control Engineering Practice, 24 (2014), 156–166 • Part 2: Experimental Validation, Control Engineering Practice, 24 (2014), 167–175 	<p>CH</p>

JPCPP: JOURNAL OF PROCESS CONTROL PAPER PRIZE (Created 2002)

(1. SURVEY; 2. THEORY/METHODOLOGY; 3. APPLICATION)

CONGRESS SITE, YEAR	WINNERS	COUNTRY
PRAGUE, 2005	<p>1. R. K. PEARSON: A survey of industrial model predictive control technology, 13, 1, 1-26, 2003</p> <p>2. N. F. THORNHILL, BIAO HUANG, H. ZHANG: Detection of multiple oscillations in control loops, 13, 1, 91-100, 2003</p> <p>3. N. PETIT, P. ROUCHON, J.-M. BOUEILH, F. GUÉRIN, P. PINVIDIC: Control of an industrial polymerization reactor using flatness, 12, 659-665, 2002</p>	<p>CH</p> <p>UK, CA</p> <p>FR</p>
SEOUL, 2008	<p>1. M. FUJIWARA, Z.K NAGY., J.W. CHEW, R.D: First-principles and direct design approaches for the control of pharmaceutical crystallization (2005) <i>Journal of Process Control</i>, 15 (5), pp. 493-504</p> <p>S. ENGELL: Feedback control for optimal process operation, <i>Journal of Process Control</i> 17 (2007) 203–219</p> <p>2. R.D BRAATZ, R.C. ALKIRE, E. SEEBAUER, E. RUSLI, R. GUNAWAN, T.O. DREWS, X. LI, Y.HE: Perspectives on the design and control of multiscale systems, <i>Journal of Process Control</i>, 16 (3), p.193-204, Mar 2006</p> <p>3. S. CAUX, J. LACHAIZE, M. FADEL, P. SHOTT, L. NICOD: Modelling and control of a Fuel Cell System and Storage Elements in transport applications (2005) <i>Journal of Process Control</i>, 15 (4), pp. 481-491</p> <p>E. ZAMPROGNA, M.BAROLO, D.E. SEBORG: Optimal selection of soft sensor inputs for batch distillation columns using principal component analysis <i>Journal of Process Control</i>, 15 (1), p.39-52, Feb 2005</p>	<p>US</p> <p>DE</p> <p>US</p> <p>UK</p> <p>IT/US</p>

MILAN, 2011	<ol style="list-style-type: none"> 1. YOUING WANG, FURONG GAO, F.J. DOYLE: Survey on iterative learning control, repetitive control and run-to-run control 2. M. CHEBRE, Y. CREFF, N. PETIT: Feedback control and optimization for the production of commercial fuels by blending 3. V. ADETOLA, M. GUAY: Integration of real-time optimization and model predictive control 	<p>USA</p> <p>FR</p> <p>CA</p>
CAPE TOWN, 2014	<ol style="list-style-type: none"> 1. Best Survey paper Not awarded for 2014. 2. Best Theory Paper R. HUANG, E. HARINATH and L.T. BIEGLER: Lyapunov stability of economically oriented NMPC for cyclic processes, Journal of Process Control, Vol. 21, No. 4, pp. 501-509, 2011. 3. Best Application Paper G. PIN, V. FRANCESCONI, F. A. CUZZOLA and T. PARISINI: Adaptive task-space metal strip-flatness control in cold multi-roll mill stands, Journal of Process Control, Vol. 23, No. 2, pp. 108-119, 2013. 	<p>US</p> <p>IT</p>
TOULOUSE, 2017	<ol style="list-style-type: none"> 1. M. LÖHNING, M. REBLE, J. HASENAUER, S. YU, F. ALLGÖWER: Model predictive control using reduced order models: Guaranteed stability for constrained linear systems. Journal of Process Control, 24, pp. 1647-1659 (2014). 2. F. SCHAUSENBERGER, A. STEINBOECK, A. KUGI: Optimization-based reduction of contour errors of heavy plates in hot rolling. Journal of Process Control, 47, pp. 150-160 (2016). 3. P. DAOUTIDIS, M. ZACHAR, S. S. JOGWAR: Sustainability and process control: A survey and perspective. Journal of Process Control, 44, pp. 184-206 (2016). 	<p>DE/CN</p> <p>AT</p> <p>US/IN</p>

EAAI PP: ENGINEERING APPLICATIONS OF AI PAPER PRIZE (Created 2002)

(1. THEORY; 2. SYMBOLIC AI; 3. SUB-SYMBOLIC AI)

CONGRESS SITE, YEAR	WINNER	COUNTRY
PRAGUE, 2005	<p>1. YIXIN DIAO AND KEVIN M. PASSINO: Immunity-based hybrid learning methods for approximator structure and parameter adjustment, 15, 6, 587-600, 2002</p> <p>2. MANO RAM MAURYA, RAGHUNATHAN RENGASWAMY and VENKAT VENKATASUBRAMANIAN: Application of signed digraphs-based analysis for fault diagnosis of chemical process flowsheets, 17, 5, 501-518, 2003</p> <p>3. E. MUHL, P. CHARPENTIER and F. CHAXEL: Optimization of physical flows in an automotive manufacturing plant: some experiments and issues, 16, 4, 293-305, 2004</p>	<p>US</p> <p>US</p> <p>FR</p>
SEOUL, 2008	<p>M.BARLETTA, A.GISARIO, S.GUARINO Modelling of electrostatic fluidized bed (EFB) coating process using artificial neural networks, EAAI, vol 20 issue 6 (2007), 721-733.</p>	IT
MILAN, 2011	<p>1. YONGMING LI, XIAOPING ZENG, LIANG HAN, PIN WANG: Two coding based adaptive parallel cogenetic algorithm with double agents structure</p> <p>2. N. NARIMAN-ZADEH, M. SALEHPOUR, A. JAMALI, E. HAGHGOO: Pareto optimization of a five-degree of freedom</p>	<p>CN</p> <p>IR</p>

CAPE TOWN, 2014	<ol style="list-style-type: none"> 1. AL-KHAZRAJI, N. ESSOUNBOULI, A. HAMZAOU, F. NOLLET, J. ZAYTOON: Type-2 fuzzy sliding mode control without reaching phase for nonlinear systems, Engineering Applications of Artificial Intelligence, Vol. 24, Issue 1, February 2011, pp. 23-38 2. Y. BLANCO-FERNANDEZ, M. LOPEZ-NORES, J. J. PAZOS-ARIAS, and J. GARCHIA-DUCQUE: An improvement for semantics-based recommender systems grounded on attaching temporal information to ontologies and user profiles, Engineering Applications of Artificial Intelligence, Vol.24, Issue 8, December 2011, pp. 1385-1397 	<p>FR</p> <p>ES</p>
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CAPE TOWN, 2014	<ol style="list-style-type: none"> <li>1. R. OUNG and R. D'ANDREA: The distributed flight array, Mechatronics, Vol. 21, No. 6, pp. 908-917, September 2011 <li>2. H. ZHANG, Y. LIU and G. LIU: Multiple mode control of a compact wrist with application to door opening, Mechatronics, Vol. 23, No. 1, pp. 10-20, February 2013. <li>3. D. J. KLUK, Michael T. BOULET and David L. TRUMPER: A high-bandwidth, high-precision, two-axis steering mirror with moving iron actuator, Mechatronics, Vol. 22, No. 3, pp. 257-270, April 2012. 	<p>CH</p> <p>CA</p> <p>US</p>

TOULOUSE, 2017	1. D. AMIN-SHAHIDI, D. L. TRUMPER: Design and control of a piezoelectric driven reticle assist device for prevention of reticle slip in lithography systems. Mechatronics, Vol. 24 (2014), pp. 562-571.	US
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