

## Pubblicazioni su libri, riviste nazionali e internazionali

### del Prof. Massimo La Scala

- [1]. S. Bruno, M. D'Aloia, M. La Scala (2013) Response-based Control through Dynamic Optimization in Large-scale Power Systems, In: International Conference on Simulation and Modeling Methodologies, Technologies and Applications SIMULTECH 2013, Reykjavik, Iceland, 2013.
- [2]. Sergio Bruno, Michele Dassisti, Massimo La Scala, Michela Chimienti, Claudio Cignali, Ezio Palmisani, (2013), Predictive Dispatch Across Time of Hybrid Isolated Power Systems; IEEE Trans. on Sustainable energy, TSTE 00196-2013.
- [3]. M. La Scala, Discrete controls and practical security criteria in transmission grids: selected results within the italian programme PRIN08 , IEEE General Meeting Panel session on "From Wide-Area Warnings to Discrete Stability Controls" , IEEE PES Power Systems Stability Subcommittee, # GM2564, Vancouver, Canada, 2013
- [4]. Rapporto Istituto per la Competitività 2013 sull'Innovazione Energetica Coordinatori scientifici: Franco D'Amore, Massimo La Scala. Autori: Giulio Avella, Sergio Bruno, Stefano da Empoli, Giovanni De Carne, Silvia Lamonaca, Manuela Mischitelli, Ugo Stecchi, Roma 2013.
- [5]. S. Bruno, M. D'Aloia, M. La Scala, R. Sbrizzai (2012). Protection System Monitoring for the Prevention of Cascading Events in Smart Transmission Grids. In: IEEE Workshop on Complexity in Engineering (COMPENG), June 11-13, 2012, Aachen, Germany. ISBN:9781467316149.
- [6]. Molino, G. Braccio, G. Fiorenza, F. A. Marraffa, S. Lamonaca, G. Giordano, G. Rotondo, U. Stecchi, M. La Scala (2012). Classification procedure of the explosion risk areas in presence of hydrogen-rich syngas: Biomass gasifier and molten carbonate fuel cell integrated plant. FUEL, Elsevier, vol. 99, p. 245-253, ISSN: 0016-2361.
- [7]. S. Bruno, S. Lamonaca, M. La Scala, U. Stecchi (2012). *Integration of Optimal Reconfiguration Tools in Advanced Distribution Management System*. In: IEEE PES Innovative Smart Grid Technologies Europe 2012, October 14 - 17, 2012, Berlin, Germany.
- [8]. S. Bruno, M. D'Aloia, G. De Carne, M. La Scala (2012). *Controlling Transient Stability through Line Switching*. In: IEEE PES Innovative Smart Grid Technologies Europe 2012, October 14 - 17, 2012, Berlin, Germany.
- [9]. S. Bruno, M. D'Aloia, G. De Carne, M. La Scala, R. Sbrizzai (2012). *Controlling transient stability through dynamic series compensation*. In: IEEE International Energy Conference & Exhibition ENERGYCON 2012, 9-12 September 2012, Firenze.
- [10]. Rapporto Istituto per la Competitività 2012 sull'Innovazione Energetica, Coordinatori scientifici: Franco D'Amore, Massimo La Scala. Autori: Sergio Bruno, Stefano da Empoli, Giovanni De Carne, Silvia Lamonaca, Manuela Mischitelli, Ugo Stecchi, Roma 2012.
- [11]. Report Ricerca di Sistema Elettrico, Accordo di Programma Ministero dello Sviluppo Economico – ENEA "Studio di fattibilità per la integrazione di un modello di pubblica illuminazione ad alta efficienza in un power park urbano (quartiere eco sostenibile): analisi di un caso pilota" S. Bruno, M. D'Aloia, M. De Benedictis, S. Lamonaca, M. La Scala, G. Rotondo, U. Stecchi, Novembre 2011, Report RdS 2011/328.
- [12]. Sergio Bruno, Matteo D'Aloia, Michele De Benedictis, Silvia Lamonaca, Massimo La Scala, Giuseppe Rotondo, Ugo Stecchi, *Feasibility study for integrating adaptive street lighting and smart meters into an urban energy district plan*, Rivista ENEA Energia Ambiente Innovazione, 2011.

- [13]. M. Bronzini, S. Bruno, M. La Scala, R. Sbrizzai (2011). *Coordination of Active and Reactive Distributed Resources in a Smart Grid*. In: PowerTech 2011, Trondheim, 19-23 June, 2011. ISBN: 978-1-4244-8419-5.
- [14]. S. Bruno, M. La Scala, U. Stecchi (2011). *Monitoring and Control of a Smart Distribution Network in Extended Real-Time DMS Framework*. In: Cigré International Symposium - The Electric Power System of the Future. Integrating supergrids and microgrids. Bologna, September 2011. ISBN: 978-2-85873-165-7.
- [15]. S. Bruno, M. De Benedictis, M. La Scala, G. Rotondo (2011). *Balancing Protection Dependability And Security In Large Transmission Grids*. In: Cigré International Symposium - The Electric Power System of the Future. Integrating supergrids and microgrids. Bologna, September 2011. ISBN: 978-2-85873-165-7.
- [16]. Rapporto Istituto per la Competitività 2011 sull'Innovazione Energetica, COORDINATORI SCIENTIFICI: Franco D'AMORE, Massimo LA SCALA. AUTORI: Sergio BRUNO, Silvia LAMONACA, Manuela MISCHITELLI, Alessandro SERSALE, Ugo STECCHI, Roma 2011.
- [17]. S. Bruno, S. Lamonaca, G. Rotondo, U. Stecchi, M. La Scala (2011). *Unbalanced Three-phase Optimal Power Flow for Smart Grids*. IEEE Trans. on Industrial Electronics, vol. 58, no. 10, pp. 4504 - 4513, Oct 2011. ISSN: 0278-0046.
- [18]. S. Bruno, M. La Scala (2011). *Updating System Representation by Trajectory Acquisition in a Dynamic Security Framework*. In: Innovations in Power Systems Reliability. p. 313-328, SpringerLink, doi: 10.1007/978-0-85729-088-5\_9.
- [19]. M. Bronzini, S. Bruno, M. De Benedictis, S. Lamonaca, M. La Scala, G. Rotondo, U. Stecchi (2010). *Operator Training Simulator for power systems: Training evaluation methodologies based on fuzzy logic*. In: Industrial Electronics (ISIE), 2010 IEEE International Symposium. ISBN: 9781424463916.
- [20]. U. Stecchi, M. La Scala, S. Lamonaca (2010). *Forest Fire Risk Evaluation by Fuzzy Logic*. In: VI International Conference on Forest Fire Research. 15-18 November 2010, Coimbra (Portugal). ISBN: 9789892021577.
- [21]. S. Bruno, M. De Benedictis, M. La Scala, S. Lamonaca, G. Rotondo, U. Stecchi (2010). *Adaptive relaying to balance protection dependability with power system security*. In: IEEE SIBIRCON 2010 July 11-15, 2010, Irkutsk Listvyanka, Russia. ISBN: 9781424476251.
- [22]. S. Bruno, S. Lamonaca, M. La Scala, U. Stecchi (2010). *Optimal Design of Trigenation and District Energy in the Presence of Energy Storage*. In: International Conference on Renewable Energy and Power Quality (ICREPO) 2010, Granada, 23-25 March, 2010. ISBN: 9788461375431.
- [23]. B. Castagnolo, M. La Scala, F. Mancino, G. Rotondo (2010). *Development of a system for the calculation of a provisional index for forest fire risk in relation to areas with elevated danger levels*. In: VI International Conference on Forest Fire Research, 15-18 November 2010, Coimbra (Portugal). ISBN: 9789892021577.
- [24]. Rapporto Istituto per la Competitività 2010 sull'Innovazione Energetica in Italia, Coordinatori scientifici: Franco D'Amore, Massimo La Scala. Autori: Sergio Bruno, Silvia Lamonaca, Manuela Mischitelli, Ugo Stecchi, Roma 2010.
- [25]. M. La Scala, A. Sileo (a cura di) (2009). Quale energia per la Puglia? Cacucci Editore.
- [26]. M. La Scala (2009). *Quale ricerca per la politica energetica in Puglia?*. In: Quale energia per la Puglia? Cacucci Editore.
- [27]. M. Bronzini, S. Bruno, M. La Scala (2009). *La Puglia: un laboratorio per una nuova politica sulle fonti rinnovabili*. In: Quale energia per la Puglia? Cacucci Editore.

- [28]. V. Bisceglia, S. Bruno, M. La Scala (2009). *Il distretto energetico*. In: Metropoli Terra di Bari: Tradizione e Innovazione. Rapporto Finale del Piano Strategico BA2015. p. 231-236, BARI:Mario Adda Editore, ISBN: 9788880828310.
- [29]. M. De Benedictis, S. Lamonaca, M. La Scala, G. Rotondo, U. Stecchi (2009). *Power Parks: a new paradigm for Clean Energy and Sustainable Mobility*. In: International Conference on Clean Electrical Power, Capri Italy 9 -11 June, 2009. ISBN: 9781424425433.
- [30]. A. Bose, S. Bruno, M. De Benedictis, M. La Scala, S. Lamonaca, R. Podmore, G. Rotondo, U. Stecchi (2009). *Operator Training Simulator per sistemi elettrici di potenza: metodologie di valutazione dell'addestramento mediante logica fuzzy*. In: Atti del V Convegno Scientifico Nazionale sulla Sicurezza nei Sistemi Complessi, Bari, 14-16 ottobre 2009.
- [31]. G. Braccio, G. Fiorenza, M. La Scala, S. Lamonaca, F. A. Marraffa, A. Molino, M. T. Petrone, G. Rotondo, U. Stecchi (2009). *Procedura per la classificazione delle aree a rischio esplosione in presenza di syngas con alte concentrazioni di idrogeno in un impianto di gassificazione a biomasse accoppiato con un impianto a celle a combustibile a carbonati fusi*. In: Convegno Scientifico Nazionale "Sicurezza nei Sistemi Complessi" V edizione, Politecnico di Bari, 14-15-16 ottobre 2009.
- [32]. S. Bruno, M. La Scala, S. Lamonaca, G. Rotondo, U. Stecchi (2009). *L'integrazione di cogenerazione e produzione di idrogeno on-site per la realizzazione di un distretto energetico*. In: Convegno nazionale AEIT "Sostenibilità energetica: Tecnologie e Infrastrutture - La ricerca incontra l'industria", 27-29 settembre 2009, Catania.
- [33]. M. La Scala, A. Bianchi (2009). *La Puglia in rete. L'energia un ponte verso il sud-est europeo*. SUDEST, p. 72-82, ISSN: 1824-8632.
- [34]. S. Bruno, M. La Scala, S. Lamonaca, G. Rotondo, U. Stecchi (2009). *Improving Energy Efficiency in a Power Park by the Integration of a Hydrogen Steam Reformer*. In: Asia – Pacific Power and Energy Engineering Conference (APPEEC 2009). Wuhan - China, 28-30 March, 2009, ISBN: 9781424424870.
- [35]. T. Brescia, M. La Scala, S. Lamonaca, G. Rotondo, U. Stecchi (2009). *A Fuzzy-Logic Approach to Preventive Maintenance of Critical Power Transformers*. In: International Conference and Exhibition on Electricity Distribution, CIRED 2009. Prague, 8 - 11 June 2009, ISBN: 978-1-84919126-5.
- [36]. M. La Scala (2009). *Operation, control and protection*, contributo allo special issue su: "Ricerca sulle reti elettriche di distribuzione - sezione 3, gestione, controllo e protezione". AEIT, ISSN: 1825-828X.
- [37]. S. Bruno, M. La Scala, S. Lamonaca, G. Rotondo, U. Stecchi (2009). *Smart-grids for optimal generation and load dispatch*. In: POWERTECH 09 by IEEE Power & Energy Society (PES), Bucharest, Romania. ISBN: 9781424422357.
- [38]. S. Bruno, G. Gross, M. La Scala (2009). *Modeling and Simulation of the Interconnected SEE and Italy Electricity Markets to the Submission Site*. In: Proceedings of 2009 PES General Meeting 26-30 July, 2009 in Calgary, Alberta, Canada. Calgary, Alberta, Canada, 26-30 July 2009, ISBN: 9781424442416.
- [39]. S. Bruno, M. De Benedictis, M. La Scala (2009). *Advanced Monitoring and Control Approaches for Enhancing Power System Security*. In: A. R. Messina, Inter-area Oscillations in Power Systems. p. 231-260, NEW YORK: Springer, doi: 10.1007/978-0-387-89530-7\_8.
- [40]. S. Bruno, M. De Benedictis, M. La Scala (2008). *The Power System Laboratory at the Politecnico di Bari*. In: IEEE Power & Energy Society - 2008 General Meeting. Pittsburgh, Pennsylvania USA, 20 - 24 July 2008, ISBN: 978-1-4244-1906-7.

- [41]. M. La Scala, S. Massucco, P. Gaggero (2007). *Strumenti wide area: analisi degli sviluppi relativi al sistema italiano (WAMS/WACS/WAPS)*. AEIT, vol. 94 n. 7/8, p. 65-73, ISSN: 1825-828X.
- [42]. A. De Bellis, M. Delfanti, E. De Bernardis, M. Pezzaglia, M. Pozzi, M. La Scala, S. Massucco, P. Gaggero (2007). *Controllo del sistema elettrico nazionale*. AEIT, vol. 94, p. 58-73, ISSN: 1825-828X.
- [43]. E. De Tuglie, M. La Scala (2007). *Harmonic Load Flow applications for industrial power systems systems design*. In: Electromagnetic Compatibility for Power Systems. ISBN: 978-0-08-045261-6.
- [44]. S. Bruno, E. De Tuglie, M. La Scala (2007). *Evaluation of the AC interferences between transmission lines and metallic underground structures*. In: Electromagnetic Compatibility for Power Systems. ISBN: 978-0-08-045261-6.
- [45]. E. De Tuglie, M. La Scala (2007). *Effects of geomagnetic storms on long distance AC transmission systems*. In: Electromagnetic Compatibility for Power Systems. ISBN: 978-0-08-045261-6.
- [46]. S. Bruno, M. De Benedictis, La Scala M (2007). *Integrating Dynamic Optimization Methodologies with WAMS technologies*. In: Power Engineering Society General Meeting, 2007. IEEE. Tampa, Florida, 24-28 June 2007, Piscataway (NJ). IEEE, ISBN: 142441296X.
- [47]. G. Mazzini, G. Parisi, G. Monopoli, A. Paola, G. Longobardo, M. Macaluso, P. Masini, La Scala M, U. Ayr, M. Romano, S. Bruno, F. Rifino, M. Castore, L. Pappalettera, R. Pavia (2007). *Validazione di un modello fluidodinamico di simulazione incendi: sperimentazione "full scale" effettuata nella Metropolitana di Roma*. In: Convegno nazionale sulla Sicurezza dei sistemi complessi. Politecnico di Bari, 16-18 ottobre 2007, BARI: CRCA.
- [48]. A. Bose, S. Bruno, M. De Benedictis, M. La Scala, F. Rifino (2007). *Ruolo degli Operator Training Simulator nella protezione delle Infrastrutture Critiche*. In: Convegno nazionale sulla Sicurezza dei sistemi complessi, Politecnico di Bari, 16-18 ottobre 2007, BARI:CRCA.
- [49]. S. Bruno, E. De Tuglie, M. La Scala, F. Rifino (2007). *Valutazione dei potenziali indotti da linee di trasmissione di energia su strutture metalliche interrate ai fini della sicurezza elettrica e del rischio di esplosione*. In: Convegno nazionale sulla Sicurezza dei sistemi complessi. Bari, 16-18 ottobre 2007, BARI:CRCA.
- [50]. S. Bruno, F. Lacalandra, M. La Scala (2007). *Price Scenarios in the Regional South-East Europe Electricity Market and Cost-Benefit Assessment of a Physical Interconnection with Italy*. In: Energy Markets and Sustainability in a larger Europe. Florence, Italy, 10-13 June 2007, IAEE.
- [51]. S. Bruno, M. De Benedictis, M. La Scala (2007). *Power System Modal Identification via Wavelet Analysis*. In: Power Tech, 2007 IEEE Lausanne. Lausanne, Switzerland, 1-5 July 2007, Piscataway (NJ):IEEE, ISBN: 9781424421893.
- [52]. S. Bruno, M. De Benedictis, M. La Scala, I. Wangensteen (2006). *Demand elasticity increase for reducing social welfare losses due to transfer capacity restriction: A test case on Italian cross-border imports*. Electric Power Systems Research, vol. 76, p. 557-566, ISSN: 0378-7796.
- [53]. S. Bruno, M. De Benedictis, M. La Scala, A. Bose (2006). *Emergency control assessment for mitigating the effects of cascading outages*. In: CIGRE General Meeting. Paris, 27 August-1 September 2006, vol. paper C2-209.
- [54]. A. Grobovoy, N. Bondareva, N. Borodina, D. Denisova, A. Germond, R. Cherkaoui, La Scala M, S. Bruno, M. De Benedictis (2006). *Full-scale Tests of the AC Transmission System to Examine the New SPS Complexes*. In: The 8th IEE International Conference on AC and DC Power Transmission, 2006. ACDC 2006. London, 28 – 31 March 2006. IEE, ISBN: 0863416136.

- [55]. S. Bruno, M. De Benedictis, M. La Scala (2006). *“Taking the pulse” of Power Systems: Monitoring Oscillations by Wavelet Analysis and Wide Area Measurement System*. In: Panel Session “Impact of Industry Restructuring on System Dynamic Performance” Power Systems Conference and Exposition, 2006. PSCE '06. 2006 IEEE PES. Atlanta, October 29, November 1, vol. paper PSCE06#1553, Piscataway (NJ). IEEE, ISBN: 1424401771.
- [56]. A. Grobovoy, N. Lizalek, N. Bondareva, S. Sirazutdinov, V. Stepanov, E. Atienza, La Scala M, A. Germond (2006). *Synchronized measurement experiment and trial WAMS/WACS structure in the Russian Far East interconnected Power System*. In: Int. Conf. “Monitoring of Power System Dynamic Performance”. Moscow, 25-27 April, 2006. CIGRE Russian National Committee (RNC CIGRE).
- [57]. M. La Scala, M. De Benedictis, S. Bruno, A. Grobovoy, N. Bondareva, N. Borodina, D. Denisova A. J. Germond, R. Cherkaoui (2006). *Development of Applications in WAMS and WACS: an international cooperation experience*. In: Panel Session “Impact of Industry Restructuring on System Dynamic Performance” Power Engineering Society General Meeting, 2006. IEEE. Montreal, Piscataway (NJ). IEEE, ISBN: 1424404932.
- [58]. S. Bruno, M. De Benedictis, M. La Scala (2006). *Sulle Tecnologie WAMS per il controllo della Sicurezza di Sistemi di Trasmissione: un esperimento su scala continentale*. In: Sessione 3 Trasmissione, distribuzione e utilizzazione, 101° Convegno Nazionale AEIT, Capri 16-20 settembre 2006. Capri, 10-20 settembre 2006.
- [59]. M. Bronzini, S. Bruno, C. Costantino, F. Lacalandra, M. La Scala (2006). *Prospettive di sviluppo dei mercati del Sud-Est Europa: scenari di prezzo e opportunità di interconnessione con l'Italia*. In: Atti della Giornata di Studio AEIT “Energia e sud-est Europa: opportunità di sviluppo per il Mezzogiorno e l'Italia?”, 26 Gennaio 2006, Politecnico di Bari, Bari.
- [60]. M. La Scala (2006). *Il mercato dell'Energia Elettrica nel Sud-Est Europa: scenari di prezzo e opportunità di interconnessione con l'Italia*.
- [61]. M. La Scala, S. Bruno, M. De Benedictis, A. Grobovoy, R. Cherkaoui, N. Bondareva, N. Borodina, D. Denisova A. J. Germond (2006). *Full scale experiment at the Russian far east electrical infrastructure*. In: Proceedings of CNIP06 – Complex Network & Infrastructure Protection. Rome, 28-29 March 2006, ROMA: ENEA.
- [62]. S. Bruno, M. De Benedictis, M. Delfanti, M. La Scala (2005). *Preventing Blackouts through Reactive Rescheduling under Dynamical and Protection System Constraints*. In: Proc. IEEE Power Tech 2005. St. Petersburg, Russia, June 27-30, 2005, Piscataway (NJ). IEEE, ISBN: 978-5-93208-034-4.
- [63]. T. Brescia, M. Bronzini, S. Bruno, M. De Benedictis, M. La Scala (2005). *Manutenzione preventiva di trasformatori di potenza strategici mediante fuzzy-logic*. In: Convegno Scientifico Nazionale “Sicurezza dei Sistemi Complessi”, III Edizione, Bari, 19-21 ottobre 2005.
- [64]. S. Bruno, E. De Tuglie, M. La Scala (2005). *Transient security dispatch for the concurrent optimization of plural postulated contingencies*. In: Power Engineering Society Summer Meeting, 2002 IEEE. ISBN: 0-7803-7518-1.
- [65]. S. Bruno, M. La Scala (2004). *Unified Power Flow Controllers for Security Constrained Transmission Management*. In: IEEE Transactions on Power Systems, vol. 19, p. 418-426, ISSN: 0885-8950.
- [66]. A. Bose, S. Bruno, M. De Benedictis, M. La Scala (2004). *A Dynamic Optimization Approach for Wide-Area Control of Transient Phenomena*. In: CIGRE General Meeting, Paris. 29 August - 3 September 2004.
- [67]. A. Bose, M. Bronzini, S. Bruno, M. De Benedictis, M. La Scala (2004). *Load Shedding Scheme for Response-based Control of Transient Stability*. In: IREP Symposium 2004 - Bulk Power System Dynamics and Control, Cortina D'Ampezzo. 22-27 August 2004, ISBN: 9788887380477.

- [68]. M. La Scala, F. Tambone (2004). *La rete tra tecnologia e sicurezza*. In: F. Tambone. BLACK-OUT Energia fra mercato e interesse pubblico. Bari: Palomar, ISBN: 88-88872-44-2.
- [69]. J. Wang, C. Chen, M. La Scala (2004). *Parametric adaptive control of multimachine power systems with nonlinear loads*. IEEE Transactions on Circuits And Systems. II, EXPRESS BRIEFS, vol. 51, p. 91-100, ISSN: 1549-7747.
- [70]. S. Bruno, M. Dicorato, M. La Scala (2004). *A novel approach to Dynamic Security Control: an application for Transmission Management*. DIANLI XITONG ZIDONGHUA, vol. 28, p. 14-22, ISSN: 1000-1026.
- [71]. S. Bruno, M. De Benedictis, E. De Tuglie, M. La Scala, F. Torelli (2004). *Nuove architetture di controllo per la gestione della sicurezza dell'infrastruttura elettrica*. In: Convegno Nazionale Valutazione e Gestione del Rischio negli Insediamenti Civili ed Industriali, Pisa. 19-21 Ottobre 2004.
- [72]. M. La Scala (2004). *La Sicurezza del Sistema Elettrico: nuove sfide in un mercato liberalizzato dell'energia elettrica*.
- [73]. M. La Scala (2004). *Prospettive del controllo della sicurezza dinamica*.
- [74]. A. Bose, S. Bruno, M. De Benedictis, M. La Scala (2004). *Contribution to the preferential subject 2: Transmission constraints, Equipment and special system to control transmission constraints -Discussion on report C2-208: A Dynamic Optimization Approach for Wide-Area Control of Transient Phenomena*. In: Session meeting group C2: System operation and control, CIGRÈ General Meeting, Paris, 27 August - 1 September 2004.
- [75]. E. De Tuglie, M. La Scala, G. Patrono, P. Pugliese, F. Torelli (2004). *An Optimal strategy for switching devices allocation in radial distribution network*. In: Proc. Of IEEE Africon 2004, Sept. 15-17, 2004, Gaborone, Botswana. ISBN: 0-7803-8605-1.
- [76]. A. Bose, S. Bruno, M. De Benedictis, M. La Scala (2004). *Discussion on report C2-208: A Dynamic Optimization Approach for Wide-Area Control of Transient Phenomena*. In: CIGRÈ 2004 Session Proceedings, Paris, August 29th – September 3rd, 2004.
- [77]. M. La Scala, S. Bruno (2004). *Unified power flow controllers for security constrained transmission management*. In: Power Engineering Society General Meeting, 2004. IEEE. Denver, CO, 6 -10 June 2004, ISBN: 0-7803-8465-2.
- [78]. J. Wang, C. Chen, M. La Scala (2003). *Periodic solution in multimachine power systems affected by perturbation of nonlinear loads*. IEEE Transactions on Circuits and Systems i. Fundamental Theory and Applications, vol. 50, p. 1363-1369, ISSN: 1057-7122.
- [79]. S. Bruno, M. La Scala, R. Sbrizzai, G. Vimercati (2003). *Replicating Interruptible Supply Contracts for Security Constrained Transmission Management*. In: IEEE Power Tech, Bologna. 23-26 June 2003, ISBN: 0-7803-7968-3.
- [80]. S. Bruno, M. De Benedictis, M. La Scala, D. Lucarella, G. Vimercati (2003). *Metodologie avanzate di controllo per la flessibilità e l'invulnerabilità della infrastruttura elettrica*. In: Sicurezza dei Sistemi Complessi, Politecnico di Bari. Bari. 16-17 ottobre 2003.
- [81]. S. Bruno, M. De Benedictis, M. La Scala (2003). *Valutazione e gestione del rischio mediante fuzzy logic*. In: Sicurezza dei Sistemi Complessi, Politecnico di Bari. Bari. 16-17 ottobre 2003, vol. I.
- [82]. M. La Scala (2003). *Sicurezza delle infrastrutture elettriche: prospettive di ricerca*. In: Proc. II Convegno Scientifico Nazionale "Sicurezza nei sistemi complessi".

- [83]. M. La Scala (2003). *Sicurezza delle reti di trasmissione e piena utilizzazione del potenziale economico del sistema elettrico*. In: ENERCON 2003, Milano, 26-27 febbraio 2003.
- [84]. M. Bronzini, M. La Scala, P. Pugliese, R. Sbrizzai (2002). *Probabilistic harmonic load flow as a tool to monitor harmonic pollution in industrial power systems*. In: 2nd Probabilistic Methods Applied to Power Systems (PMAPS). September 22-26, 2002, vol. 1, p. 249-254, ISBN: 88-7146-619-5.
- [85]. E. De Tuglie, M. Dicorato, M. La Scala, F. Torelli (2002). *Dynamic parameter estimation for dynamic security assessment*. In: 2nd Probabilistic Methods Applied to Power Systems (PMAPS), Naples (Italy). September, 22-26, 2002, vol. 2, p. 603-608, ISBN: 88-7146-619-5.
- [86]. M. La Scala, (2002). *Toward Invulnerable Infrastructures- The Power System Case*.
- [87]. S. Bruno, E. De Tuglie, M. La Scala (2002). *Transient Security Dispatch for the concurrent optimization of plural postulated contingencies*. IEEE Transactions on Power Systems, vol. 17, p. 707-714, ISSN: 0885-8950.
- [88]. S. Bruno, M. La Scala, P. Scarpellini, G. Vimercati (2002). *Probabilistic evaluation of ATC in a market characterized by intense bilateral contracts*. In: Probabilistic Methods Applied to Power Systems (PMAPS), Naples (Italy). September, 22-26, 2002, vol. 2, p. 729-735, ISBN: 88-7146-619-5.
- [89]. S. Bruno, M. La Scala, P. Scarpellini, G. Vimercati (2002). *A Dynamic Approach for Transmission Management through a Contract Curtailment Strategy*. In: 14th Power Systems Computation Conference (PSCC), Sevilla (Spain). June 24th-28th, 2002. ISBN: 84-89673-25-X.
- [90]. E. De Tuglie, M. Dicorato, M. La Scala, P. Scarpellini (2002). *Dynamic Security Dispatch under Practical Constraints*. In: 4th Power Systems Computation Conference (PSCC), Sevilla (Spain). June 24th-28th, 2002. ISBN: 848967325X.
- [91]. S. Bruno, E. De Tuglie, M. La Scala, P. Scarpellini (2001). *Dynamic security corrective control by UPFCs*. IEEE Transactions on Power Systems, vol. 16, p. 490-497, ISSN: 0885-8950.
- [92]. E. De Tuglie, M. Dicorato, M. La Scala, A. Bose (2001). *Multiple Criteria Decision Making Methodology based on a Probabilistic Evaluation of ATC for Congestion Management*. In: IEEE Conference, 22nd Power Industry Computer Applications (PICA), Sydney (Australia). May 20th -24<sup>th</sup> 2001, ISBN: 0-7803-6681-6.
- [93]. S. Bruno, E. De Tuglie, M. La Scala, P. Scarpellini (2001). *Dynamic security corrective control by UPFCs*. In: Proc. of IEEE Conference PICA 2001, Sydney (Australia), May 2001, paper#01-PICA-038. Sydney (Australia), May 2001, ISBN: 0-7803-6681-6.
- [94]. M. La Scala, E. De Tuglie, P. Pugliese, R. Sbrizzai, F. Torelli (2001). *La logica sfumata quale metodologia per l'analisi del rischio*. In: Convegno Nazionale su Sicurezza nei sistemi complessi, Bari. 16-17 ottobre 2001.
- [95]. E. De Tuglie, M. La Scala, P. Pugliese, F. Torelli, M. Trovato (2001). *Le fonti di generazione dispersa ed il controllo della qualità del servizio elettrico*. In: Atti della Riunione Generale AEI 2001.
- [96]. G. Acciani, M. La Scala, R. Sbrizzai, M. Gattagrisi (2001). *La supervisione di grandezze elettriche per il miglioramento continuo di processo e la conservazione delle apparecchiature*. In: Convegno MILQ Manutenzione Logistica Qualità. Taranto, 9-11 Ottobre 2001.
- [97]. S. Bruno, M. Dicorato, M. La Scala, A. Pantaleo (2001). *Ingegneria della sicurezza nelle infrastrutture critiche*. In: Convegno Nazionale su Sicurezza nei sistemi complessi. 16 - 17 Ottobre.
- [98]. M. Dicorato, M. La Scala, P. Scarpellini (2001). *A corrective control for angle and voltage stability enhancement on the transient time-scale*. In: Power Engineering Society Winter Meeting, 2001. IEEE. Columbus, OH - (USA), 29 Jan 2001, ISBN: 0-7803-6672-7.

- [99]. S. Bruno, E. De Tuglie, M. La Scala, P. Scarpellini (2001). *Dynamic Security Corrective Control by UPFCs*. In: IEEE Power Engineering Review, vol. 21, ISSN: 0272-1724.
- [100]. E. De Tuglie, M. Dicorato, M. La Scala, P. Pugliese, R. Sbrizzai, F. Torelli, P. Scarpellini (2000). *Probabilistic total transfer capability assessment*. In: Proceedings International Symposium and Exhibition on Electric Power Engineering at the beginning of the Third Millennium. May 12-18, 2000, p. 505-523, Edizioni Scientifiche Italiane spa Napoli, ISBN: 88-495-0158-7.
- [101]. M. Bronzini, E. De Tuglie, M. Dicorato, M. La Scala, R. Sbrizzai, M. Trovato (2000). *Tools for an environmental-friendly market of electric energy*. In: Int. Conf. Electric Power Engineering at the beginning of the Third Millennium, Naples-Capri (Italy). May 12-18, 2000, p. 227-242.
- [102]. O. Coccozza, M. Dicorato, M. La Scala, R. Sbrizzai (2000). *A multiresolution analysis to supervise power system oscillations*. In: Power Engineering, LESCOPE 2000, Halifax (Canada). July 23-26 2000, p. 141-145.
- [103]. E. De Tuglie, M. Dicorato, M. La Scala, P. Scarpellini (2000). *A corrective control for angle and voltage stability enhancement on the transient time scale*. In: IEEE Transactions on Power Systems, vol. 15, p. 1345-1353, ISSN: 0885-8950.
- [104]. E. De Tuglie, M. Dicorato, M. La Scala, P. Scarpellini (2000). *A static optimization approach to assess Dynamic Available Transfer Capability*. In: IEEE Transactions on Power Systems, vol. 15, p. 1069-1076, ISSN: 0885-8950.
- [105]. E. De Tuglie, M. Dicorato, M. La Scala, P. Scarpellini (2000). *A probabilistic approach for dynamic available transfer capability evaluation*. In: CIGRE 2000, Paris (France). September 2000.
- [106]. E. De Tuglie, M. Dicorato, M. La Scala, A. Bose, C. Liu (2000). *Reactive power support as an ancillary service in voltage security assessment*. In: CIGRE 2000, Paris (France). September 2000.
- [107]. E. De Tuglie, M. Dicorato, M. La Scala (2000). *Disclosing environmental attributes to incentivate Green Power Marketing*. In: IEEE Winter Meeting, Singapore. January 2000, ISBN: 0-7803-5935-6.
- [108]. E. De Tuglie, M. La Scala, P. Scarpellini (1999). *Real-time preventive actions for the enhancement of voltage-degraded trajectories*. In: IEEE Transactions on Power Systems, vol. 14, p. 561-568, ISSN: 0885-8950.
- [109]. E. Chiodo, F. Gagliardi, M. La Scala, D. Lauria (1999). *Probabilistic on-line transient stability analysis*. In: IEE Proceedings Generation, Transmission and Distribution, vol. 146, p. 176-180, ISSN: 1350-2360.
- [110]. F. Casamatta, M. Mocenigo, M. La Scala, P. Scarpellini (1999). *A framework of functions, developed at Enel, for Dynamic Security Assessment and Enhancement in the new deregulated scenario*. In: 5th Int. Workshop on Electric Power Control Centers, Heviz (Hungary). June 13-16, 1999.
- [111]. E. De Tuglie, M. Dicorato, M. La Scala, P. Scarpellini (1999). *Dynamic security control in a deregulated electricity market*. In: Power System Computation Conference, Trondheim (Norway). 28 June, 2 July 1999, vol. I, p. 125-131.
- [112]. E. De Tuglie, M. La Scala, R. Sbrizzai, M. Trovato (1999). *Sequential design of a decentralized control structure for power system stabilizers*. In: Electric Power Systems Research, ISSN: 0378-7796.
- [113]. E. De Tuglie, M. Dicorato, M. La Scala (1999). *Deregulated market of energy and environmental risks: a chance or a threat?* In: IV Int. Congress "Energy, Environment and Technological Innovation", Rome (Italy). Sept. 20-24 1999, p. 973-980.



- [114]. E. De Tuglie, M. Dicorato, M. La Scala, P Scarpellini (1999). *On-line dynamic security control in large scale power system*. In: Power Tech 99 Conference, Budapest (Hungary). 28 Aug. - 2 Sep. 1999, ISBN: 0-7803-5836-8.
- [115]. E. De Tuglie, M. Dicorato, M. La Scala, T. Brescia (1999). *A minimal cost design for a harmonic reduction system: a petrochemical plant example*. In: Power Tech 99 Conference, Budapest (Hungary). 28 August - 2 September 1999, ISBN: 0-7803-5836-8.
- [116]. E. De Tuglie, M. Dicorato, M. La Scala (1999). *A dynamic optimization approach for preventive control in a DSA environment*. In: Power Tech 99 Conference, Budapest (Hungary). 28 Aug. - 2 Sep. 1999, ISBN: 0-7803-5836-8.
- [117]. E. De Tuglie, M. Dicorato, M. La Scala, P Scarpellini (1999). *A static optimization approach to assess Dynamic Available Transfer Capability*. In: Proceedings of 21st International Conference on Power Industry Computer Application, Santa Clara (CA), 16-21 May 1999, p. 269-277, Piscataway, NJ, USA. IEEE Power and Energy Society, ISBN: 0-7803-5481-8.
- [118]. E. De Tuglie, M. Dicorato, M. La Scala, P Scarpellini (1998). *A load shedding scheme for corrective control in on-line dynamic security analysis*. In: Bulk Power System Dynamics Control IV-Restructuring, Santorini (Greece). August 24-28, 1998, p. 157-162.
- [119]. M. Dicorato, E. De Tuglie, M. La Scala, F. Torelli (1998). *Real-time preventive/corrective control for dynamic security assessment*. In: Electrical Power Systems Operation and Management, EPSOM '98, Zurich. September 23-25, 1998.
- [120]. E. De Tuglie, M. La Scala, F. Torelli (1998). *Effects of geomagnetically induced current on long distance AC transmission systems*. In: Int. Conf. on Power System Technology, POWER CON 98. Beijing, China, August 18-21, 1998, p. 127-131, ISBN: 0-7803-4754-4.
- [121]. M. La Scala, M. Trovato (1998). *Closure of the paper "On line dynamic preventive control: an algorithm for transient security dispatch", discussed by A. Simoes de Costa, I.C. Decker, R.S. Salgado*. In: IEEE Transactions on Power Systems, p. 609-610, ISSN: 0885-8950.
- [122]. F. Iavernaro, M. La Scala, F. Mazzia (1998). *Boundary values methods for time domain simulations of power system dynamic behavior*. In: IEEE Transactions on Circuits and Systems I. Fundamental Theory and Applications, vol. 45, p. 50-63, ISSN: 1057-7122.
- [123]. M. La Scala, M. Trovato, C. Antonelli (1998). *On-line dynamic preventive control: an algorithm for transient security dispatch*. In: IEEE Transactions on Power Systems, vol. 13, p. 601-608, ISSN: 0885-8950.
- [124]. M. La Scala, R. Sbrizzai, F. Torelli, P. Scarpellini (1998). *A tracking time domain simulator for real-time transient stability analysis*. In: IEEE Transactions on Power Systems, vol. 13, p. 992-998, ISSN: 0885-8950.
- [125]. W. Li, A. Bose, E. De Tuglie, M. La Scala (1998). *On-line contingency screening and remedial action for dynamic security analysis*. In: Int. Conference on Large High Voltage Electric Systems, CIGRE' 1998, Paris (France). 29 August - 6 September 1998.
- [126]. E. De Tuglie, M. La Scala, F. Torelli (1998). *Effects of geomagnetically induced current on long distance AC transmission systems*. In: Int. Conf. on Power System Technology - POWERCON '98, Beijing (China). August 18-21, 1998, p. 127-131, ISBN: 0-7803-4754-4.
- [127]. G. Alosio, M. Bochicchio, M. La Scala, R. Sbrizzai (1997). *A distributed computing approach for real-time transient stability analysis*. In: IEEE Transactions on Power Systems, vol. 12, p. 981-987, ISSN: 0885-8950.

- [128]. M. La Scala (1997). *D.Lgs. 494/96 Passo per passo*. In: Architettura & impresa in sicurezza, p. 39-70, Lecce: ed. Azienda Speciale per i servizi alle imprese.
- [129]. M. La Scala (1997). *Linee guida per la compilazione del fascicolo e istruzioni per la sicurezza nelle manutenzioni*. In: Architettura & impresa in sicurezza, p. 343-381, Lecce: ed. Azienda Speciale per i servizi alle imprese.
- [130]. M. La Scala, F. Torelli, M. Trovato (1997). *Discussion to the paper "Computationally Efficient Optimal Control Methods Applied to Power Systems"*. In: IEEE Transactions on Power Systems, ISSN: 0885-8950.
- [131]. E. De Tuglie, M. La Scala, F. Torelli, P. Scarpellini (1997). *Real-time generation rescheduling for transient stability enhancement*. In: Proc. of 4th IEEE Int. Conference on Electronics, Circuits and Systems ICECS'97. Cairo, Egypt, 15-18 December 1997.
- [132]. M. La Scala, R. Sbrizzai, F. Torelli, P. Scarpellini (1997). *A tracking time domain simulator for real-time transient stability analysis*. In: 20th Int. Conference on Power Industry Computer Applications, May 11-16, 1997, Columbus, Ohio, paper 161. ISBN: 0-7803-3713-1.
- [133]. G. De Angelis, F. Gagliardi, M. La Scala, D. Lauria (1996). *Transient voltage stability signature in time domain simulations*. In: Electrotechnical Conference, 1996. MELECON '96, 8th Mediterranean. 13-16 May 1996, vol. 2, p. 859-862, ISBN: 0-7803-3109-5.
- [134]. P. Pugliese, R. Sbrizzai, M. Trovato, M. La Scala (1996). *Intelligent control of inter-area oscillations in power systems*. In: Electrotechnical Conference, 1996. MELECON '96, 8th Mediterranean. Bari, Italy, 13 - 16 May, vol. 2, p. 737-741, ISBN: 0-7803-3109-5.
- [135]. G. Aloisio, M.A. Bochicchio, M. La Scala, M. Trovato (1996). *A metacomputing approach for real-time transient stability analysis*. In: Electrotechnical Conference, 1996. MELECON '96, 8th Mediterranean. 13-16 May 1996, vol. 2, p. 893-896, ISBN: 0-7803-3109-5.
- [136]. M. La Scala, M. Trovato, F. Torelli (1996). *Discussion of paper "A neural network-based approach for voltage security monitoring"*. In: IEEE Transactions on Power Systems, vol. 11, ISSN: 0885-8950.
- [137]. M. La Scala, G. Sblendorio, A. Bose, J.Q. Wu (1996). *Comparison of algorithms for transient stability simulations on shared and distributed memory multiprocessors*. In: IEEE Transactions on Power Systems, vol. 11, p. 2045-2050, ISSN: 0885-8950.
- [138]. M. La Scala, G. Lorusso, R. Sbrizzai, M. Trovato (1996). *A qualitative approach to the transient stability analysis [of power systems]*. In: IEEE Transactions on Power Systems, vol. 11, p. 1996-2002, ISSN: 0885-8950.
- [139]. M. La Scala, M. Trovato, F. Torelli (1996). *A neural network-based method for voltage security monitoring*. In: IEEE Transactions on Power Systems, vol. 11, p. 1332-1341, ISSN: 0885-8950.
- [140]. M. La Scala, D. Salatino, R. Sbrizzai, M. Trovato (1995). *On-line voltage stability assessment of load centers by using neural networks*. In: Electric Power Systems Research, ISSN: 0378-7796.
- [141]. M. La Scala, M. Trovato, F. Torelli (1995). *A neural network-based approach for voltage security monitoring*. In: IEEE PES 1995 Summer Meeting, Portland, July 1995.
- [142]. M. La Scala, L. Gabellone, R. Sbrizzai, M. Trovato (1995). *Intelligent load shedding schemes to prevent voltage instability during emergency conditions*. In: Proc. of IEE APSCOM 1995 "3rd Int. Conf. on Advances in Power System Control. Operation and Management". ISBN: 0852969120.

- [143]. F. Gagliardi, M. La Scala, D. Lauria, F. Torelli (1995). *Tecniche probabilistiche di supporto alle decisioni nel controllo preventivo della sicurezza dinamica*. In: Riunione Annuale della AEI, Roma, Roma, 24-27 settembre 1995.
- [144]. M. La Scala, D. Salatino, R. Sbrizzai, F. Torelli, M. Trovato (1994). *A coordinated neural network-based control strategy to enhance stability in long distance transmission systems*. In: Proc. of Intern. Conference on Power System Technology, ICPST '94 Beijing, China, October 18-21, 1994, pp. 546-550.
- [145]. M. Brucoli, A. De Roma, M. La Scala, M. Trovato (1994). *Parallel-in-time method based on Shifted-Picard iterations for power system transient stability analysis*. In: European Transactions on Electrical Power Engineering, ISSN: 0939-3072.
- [146]. M. La Scala, G. Sblendorio, R. Sbrizzai (1994). *Parallel-in-time implementation of transient stability simulations on a transputer network*. In: IEEE Transactions on Power Systems, ISSN: 0885-8950.
- [147]. G. P. Granelli, M. Montagna, M. La Scala, F. Torelli (1994). *Relaxation-Newton methods for transient stability analysis on a vector/parallel computer*. In: IEEE Transactions on Power Systems, ISSN: 0885-8950.
- [148]. M. Brucoli, M. La Scala, R. Sbrizzai, M. Trovato (1993). *Voltage stability analysis of electric power systems with frequency dependent loads*. In: IEE Proceedings. Part C. Generation, Transmission and Distribution, ISSN: 0143-7046.
- [149]. G. P. Granelli, M. Montagna, M. La Scala, F. Torelli (1993). *Relaxation-Newton methods for transient stability analysis on a vector/parallel computer*. In: Proc. IEEE PICA Conference, Scottsdale, Arizona, May 4-7, 1993, pp. 387-393. ISBN: 0-7803-1301-1.
- [150]. M. La Scala, R. Sbrizzai, F. Torelli, M. Trovato (1993). *Enhancement of interconnected power system stability using a control strategy involving static phase-shifters*. In: International Journal of Electrical Power & Energy Systems, ISSN: 0142-0615.
- [151]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1993). *A new decomposition method for optimal operation of transmission/generation and subtransmission/distribution systems*. In: International Journal of Electrical Power & Energy Systems, ISSN: 0142-0615.
- [152]. M. La Scala, A. Bose (1993). *Relaxation/Newton methods for concurrent time step solution of differential-algebraic equations in power systems dynamic simulations*. In: IEEE Transactions on Circuits and Systems I. Fundamental Theory and Applications, vol. 40, p. 317-330, ISSN: 1057-7122.
- [153]. M. La Scala, G. Sblendorio, R. Sbrizzai, F. Torelli (1993). *Synthesis of a sequential stable decentralized controller for flexible AC long distance transmission systems*. In: Proceedings of NTUA-IEEE/PES "Athens Power Tech" Joint Power Conference 1993, 5-8 Sept. Vol. 1, pp. 531-536. doi: 10.1109/APT.1993.673856.
- [154]. M. La Scala, G. Sblendorio, R. Sbrizzai, M. Trovato (1992). *Parallel algorithms for power system transient stability analysis: potentials & drawbacks*. In: I Congresso Nazionale della Società Italiana di Matematica Applicata e Industriale. Firenze, 1-5/6/1992.
- [155]. D. J. Tylavsky, A. Bose, F. Alvarado, R. Betancourt, K. Clements, G. T. Heydt, G. Huang, M. Ilic, M. La Scala, M. A. Pai, A. Pottle, S. Talukdar, J. S. Van Ness, F. Wu (1992). *Parallel processing in power systems computation*. In: IEEE Transactions on Power Systems, ISSN: 0885-8950.
- [156]. M. La Scala, R. Sbrizzai, F. Torelli (1991). *A pipelined-in-time parallel algorithm for transient stability analysis*. In: IEEE Transactions on Power Systems, ISSN: 0885-8950.
- [157]. D. J. Tylavsky, A. Bose, F. Alvarado, R. Betancourt, K. Clements, G. T. Heydt, G. Huang, M. Ilic, M. La Scala, M. A. Pai, A. Pottle, S. Talukdar, J. S. Van Ness, F. Wu (1991). *Parallel processing in power systems*

- computation. In: Panel Session del IEEE PES Summer Meeting. San Diego, California, July 28 - August 1, 1991. 91 SM 503-3 PWRS, doi: 10.1109/59.141768.
- [158]. M. La Scala (1991). *Discussion of the paper: "Frequency domain stability simulation of power systems: implementation by supercomputer"*. In: IEEE Transactions on Power Systems, vol. 6, p. 58, ISSN: 0885-8950.
- [159]. M. Brucoli, M. La Scala, R. Sbrizzai, M. Trovato (1991). *Modelling of induction motor loads in power system voltage stability studies*. In: European Transactions on Electrical Power Engineering, ISSN: 0939-3072.
- [160]. M. La Scala (1991). *Nuove architetture di supercalcolo e simulazione parallela dei sistemi elettrici di potenza*. In: L'Elettrotecnica, ISSN: 0013-6131.
- [161]. M. La Scala, R. Sbrizzai, F. Torelli, M. Trovato (1991). *A new parallel algorithm for power system state estimation*. In: Proceedings of ISMM International Workshop on Parallel Computing, 10-13 September 1991, Trani, Italy. P. 436-441, ISBN: 0889861471.
- [162]. M. Brucoli, G. Cannistrà, M. La Scala, M. Sylos Labini (1991). *A parallel computing approach to the thermal design of a unipolar cable by finite element method*. In: Proceedings of ISMM International Workshop on Parallel Computing, 10-13 September 1991, Trani, Italy, pp. 246-251. ISBN: 0889861471.
- [163]. M. La Scala, P. Pugliese, R. Sbrizzai, F. Torelli, M. Trovato (1991). *Modelli di carico e strumenti di analisi per lo studio della gestione di grandi sistemi elettrici in presenza di carichi controllabili*. In: Giornata di studio sul progetto di ricerca "Distribuzione 2000" - Gruppo Nazionale di Coordinamento per gli studi di Impianti Elettrici. Pisa, 28 giugno 1991.
- [164]. M. La Scala, M. Brucoli, F. Torelli, M. Trovato (1990). *A-Gauss-Jacobi-Block Newton method for parallel transient stability analysis*. In: 1990 IEEE PES Winter Meeting, 4-8 febbraio 1990, Atlanta, USA. doi: 10.1109/59.99367.
- [165]. M. La Scala, M. Brucoli, F. Torelli, M. Trovato (1990). *A-Gauss-Jacobi-Block Newton method for parallel transient stability analysis*. In: IEEE Power Engineering Review, ISSN: 0272-1724.
- [166]. M. La Scala, M. Brucoli, F. Torelli, M. Trovato (1990). *Discussion and Closure of the paper "A-Gauss-Jacobi-Block Newton method for parallel transient stability analysis"*. In: IEEE Transactions on Power Systems, p. 1176-1177, ISSN: 0885-8950.
- [167]. M. La Scala, R. Napoli, R. Sbrizzai, F. Torelli (1990). *Development of a stabilizing control strategy involving synchronous generators and static-phase-shifters in interconnected power systems*. In: Proc. of 10th Power System Computation Conference, august 1990, Graz, Austria, pp. 107-114.
- [168]. M. La Scala, A. Bose, D. J. Tylavsky, J. S. Chai (1990). *Discussion and closure of the paper "A highly parallel method for transient stability analysis"*. In: IEEE Transactions on Power Systems, p. 1446, ISSN: 0885-8950.
- [169]. M. La Scala, M. Brucoli, F. Torelli, M. Trovato (1990). *Discussion of the paper: "The parallel implementation of the waveform relaxation method for transient stability simulations"*. In: IEEE Transactions on Power Systems, p. 930-932, ISSN: 0885-8950.
- [170]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1990). *A semi-dynamic approach to the voltage stability analysis of interconnected power networks with random loads*. In: International Journal of Electrical Power & Energy Systems, ISSN: 0142-0615.
- [171]. M. La Scala, A. Bose, D. J. Tylavsky, J. S. Chai (1990). *A highly parallel method for transient stability analysis*. In: IEEE Power Engineering Review, ISSN: 0272-1724.

- [172]. M. La Scala, A. Bose, D. J. Tylavsky, J. S. Chai (1990). *A highly parallel method for transient stability analysis*. In: IEEE Transactions on Power Systems, p. 1439-1445, ISSN: 0885-8950.
- [173]. M. La Scala (1990). *The application of parallel processing computers to power system transient stability analysis (invited paper)*. In: United States National Science Foundation report "Workshop on the application of parallel processing computers to power systems", Phoenix, 26-27 April 1990.
- [174]. M. La Scala, R. Sbrizzai (1990). *Un estimatore dello stato sequenziale per i sistemi elettrici di potenza*. In: L'Energia Elettrica, ISSN: 0013-7308.
- [175]. M. La Scala, R. Sbrizzai, M. Trovato (1990). *A new parallel-in-time algorithm for power system on-line transient stability simulations*. In: Parallel Computing: Problems, Methods and Applications, Selection of papers presented at the: Conference on Parallel Computing: Achievements, Problems, and Prospects, Capri, 3-7 June 1990. P. Messina and A. Murli (Editors), 1992 Elsevier Science Publishers B.V., pp. 343-352.
- [176]. M. La Scala, R. Sbrizzai, F. Torelli, (1990). *A pipelined-in-time parallel algorithm for transient stability analysis*. In: 1990 IEEE PES Summer Meeting, July 1990, Minneapolis, USA. doi: 10.1109/59.76717.
- [177]. M. La Scala, M. Brucoli, F. Torelli, M. Trovato (1990). *A Gauss-Jacobi-block-Newton method for parallel transient stability analysis*. In: IEEE Transactions on Power Systems, p. 1168-1175, ISSN: 0885-8950.
- [178]. M. La Scala, A. Bose, D. J. Tylavsky, J. S. Chai (1989). *A highly parallel method for transient stability analysis*. In: Proceedings Power Industry Computer Application Conference; Fourth Copper Mountain Conference on Multigrid methods. ISBN: 0-89871-248-3.
- [179]. M. La Scala, A. Bose, D. J. Tylavsky (1989). *A relaxation type multigrid parallel algorithm for power system transient stability analysis*. In: Proceedings International Symposium on Circuits & Systems 1989 Conference, Portland, Oregon, 8-11 may 1989, vol. 3, pp. 1954-1957. doi: 10.1109/ISCAS.1989.100753.
- [180]. M. Brucoli, G. Figalli, M. La Scala, F. Torelli, M. Trovato (1989). *State space representation for the dynamic analysis of interconnected power networks including multiterminal HVDC systems*. In: Proc. of Int. Symposium on Electric Energy Conversion in Power Systems, Capri, 25-27 may 1989, paper T-H4.
- [181]. M. La Scala, R. Sbrizzai, F. Torelli (1989). *Parallel algorithms for transient stability simulations in very large scale power systems*. In: Supercomputing Tools for Science and Engineering Proc. of the Int. Workshop on Supercomputing tools for science and engineering, Pisa, Italy, 4-7 december 1989, pp. 371-377. ISBN: 88-204-6322-9.
- [182]. M. La Scala (1989). *Valutazione della sicurezza preventiva nei sistemi elettrici di potenza. Metodologie ed Algoritmi*.
- [183]. M. La Scala, A. Bose, D. J. Tylavsky, J. S. Chai (1989). *A highly parallel method for transient stability analysis*. In: Proceedings Power Industry Computer Application Conference, Seattle, 1-5 may 1989, pp. 380-386. doi: 10.1109/PICA.1989.39020.
- [184]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1989). *A co-ordinated compensation strategy involving synchronous generators and static VAR compensators in long distance A.C. transmission systems*. In: Electric Power Systems Research, ISSN: 0378-7796.
- [185]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1989). *Un nuovo metodo di calcolo parallelo per l'analisi di stabilità transitoria delle reti elettriche di potenza*. In: L'Energia Elettrica, ISSN: 0013-7308.
- [186]. M. Brucoli, M. La Scala, N. Pitrone, M. Trovato (1988). *Dynamic modelling for retaining selected portions of large scale electric power networks*. In: IEE proceedings. Part C. Generation, Transmission and Distribution, ISSN: 0143-7046.

- [187]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1987). *Load supplying capability of interconnected power systems: a probabilistic approach*. In: Electric Power Systems Research, ISSN: 0378-7796.
- [188]. M. Brucoli, M. La Scala, F. Torelli, M. Trovato (1987). *Overlapping decomposition for small disturbance stability analysis of interconnected power networks*. In: Large Scale Systems, ISSN: 0167-420X.
- [189]. M. Brucoli, M. La Scala, F. Torelli (1987). *Probabilistic assessment of small disturbance stability in multimachine power systems*. In: International Journal of Systems Science, ISSN: 0020-7721.
- [190]. M. Brucoli, M. La Scala, F. Torelli (1986). *A probabilistic approach to the voltage stability analysis of interconnected power systems*. In: Electric Power Systems Research, ISSN: 0378-7796.