



CURRICULUM VITAE

CESARE ROSSI

Posizione accademica

| | |
|--|---|
| Settore Concorsuale | dal 28/10/2011 09/A2 - MECCANICA APPLICATA ALLE MACCHINE |
| Settore Scientifico Disciplinare | dal 14/03/2001 ING-IND/13 - MECCANICA APPLICATA ALLE MACCHINE |
| Qualifica | Professore Ordinario |
| Anzianità nel ruolo di professore di I fascia | 01/11/2000 |
| Sede universitaria | Università degli Studi di NAPOLI "Federico II" |
| Dipartimento | Dipartimento di MECCANICA ED ENERGETICA |

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri:

| | | |
|----------------|---------------------------|--|
| dal 26/11/1983 | Ricercatore Universitario | Università degli Studi di NAPOLI "Federico II" |
| dal 01/11/1992 | Professore II Fascia | Università degli Studi di NAPOLI "Federico II" |
| dal 01/11/2000 | Professore I Fascia | Università degli Studi di NAPOLI "Federico II" |

Pubblicazioni scientifiche

Pubblicazioni principali

- 2012 - Articolo in rivista
Cesare Rossi (2012). *Ancient Throwing Machines: a Method to Compute Their Performances*. *MECHANISM AND MACHINE THEORY*, vol. 51, p. 1-13, ISSN: 0094-114X, doi: 10.1016/j.mechmachtheory.2011.12.008
- 2011 - Articolo in rivista
V. Niola, C. Rossi, S. Savino, S. Strano (2011). *A Method for the Calibration of a 3-D Laser Scanner*. *ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING*, vol. 27, p. 479-484, ISSN: 0736-5845
- 2011 - Articolo in rivista
C. Rossi, S. Pagano (2011). *A Study on Possible Motors for Siege Towers*. *JOURNAL OF MECHANICAL DESIGN*, vol. Volume 133, p. 1-8, ISSN: 1050-0472, doi: 10.1115/1.4004197
- 2011 - Articolo in rivista
C. Rossi, M. Ceccarelli, M. Cigola (2011). *The Groma, the Surveyor's Cross and the Chorobates*.

- In-Depth Notes on the Design of Old Instruments and Their Use.. DISEGNARE IDEE IMMAGINI, vol. 42, p. 22-33, ISSN: 1123-9247*
5. 2011 - Articolo in rivista
Cesare Rossi, Sergio Savino (2011). A CONTROL SYSTEM FOR ROBOT TRAJECTORY PLANNING: ALGORITHM AND FIRST EXPERIMENTAL RESULTS. INTERNATIONAL JOURNAL OF MECHANICS AND CONTROL, vol. 12, p. 39-48, ISSN: 1590-8844
 6. 2011 - Articolo in rivista
Cesare ROSSI, Sergio SAVINO (2011). A Robotic System to Scan and Reproduce Object. JOURNAL OF ROBOTICS, vol. 2011, p. 1-11, ISSN: 1687-9600, doi: 10.1155/2011/168481
 7. 2010 - Articolo in rivista
V. Niola, C. Rossi, S. Savino (2010). A New Real Time Shape Acquisition with a Laser Scanner: First Test Results. ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol. 26/6, p. 543-550, ISSN: 0736-5845, doi: 10.1016/j.rcim.2010.06.026
 8. 2010 - Articolo in rivista
C. Rossi, F. Russo (2010). A RECONSTRUCTION OF THE GREEK-ROMAN REPEATING CATAPULT. MECHANISM AND MACHINE THEORY, p. 36-45, ISSN: 0094-114X, doi: 10.1016/j
 9. 2010 - Monografia o trattato scientifico
C. ROSSI (2010). *Lezioni di Meccanica dei Robot.* p. 1-477, Napoli:ESA, ISBN: 978-88-95430-18-8
 10. 2010 - Contributo in Atti di convegno
C. Rossi, S. Pagano, F. Russo (2010). Ancient motors for siege towers. In: -. -. Siracusa, Italy, 8-10 giugno 2010, p. 200-214, ISBN: 9789048190904
 11. 2010 - Contributo in Atti di convegno
C. ROSSI (2010). Archimedes Cannon Against the Roman Fleet. In: *The Genius of Archimedes -- 23 Centuries of Influence on Mathematics, Science and Engineering.* Siracusa, 8-10 Giugno, 2010, p. 113-131, DORDRECHT:Springer, ISBN: 9789048190904
 12. 2010 - Contributo in Atti di convegno
V. NIOLA, C. ROSSI, S. SAVINO, S. STRANO (2010). Robot Trajectory Planning by Points and Tangents.. In: -. -. Hangzhou, China, April 11-13, 2010, p. 91-96, -, ISBN: 9789604741755
 13. 2009 - Articolo in rivista
C. ROSSI, S. SAVINO, S. STRANO (2009). ROBOT ASSISTED LASER SCANNING. INTERNATIONAL JOURNAL OF MECHANICS AND CONTROL, vol. 10, p. 3-13, ISSN: 1590-8844
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 15. 2009 - Altro
ADILETTA G, C. ROSSI (2009). APPLICAZIONI DI SISTEMI DI VISIONE AD UNA CELLA ROBOTIZZATA.
 16. 2009 - Contributo in volume (Capitolo o Saggio)
C. ROSSI, V. NIOLA, S. SAVINO, S. STRANO (2009). Robot Assisted 3D Shape Acquisition Optical Systems. In: *Ernest Hall. Advances in Robot Manipulators.* p. 515-549, IN-TEH, ISBN: 9789533070704
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C. Rossi, F. Russo, F. Russo (2009). *Ancient Engineers' Inventions.* Dordrecht:Springer , ISBN: 9789048122523, doi: 10.1007/978-90-481-2253-0
 18. 2009 - Monografia o trattato scientifico
C. Rossi, F. Russo, F. Russo (2009). *Ancient Engineers' Inventions.* Dordrecht:Springer, ISBN: 9789048122530, doi: 10.1007/978-90-481-2253-0
 19. 2008 - Contributo in Atti di convegno
C. ROSSI, SAVINO S., STRANO S. (2008). 3D Object Reconstruction Using a Robot Arm. In: *Proceedings of Eucomes 08. Cassino, September 17-20, 2008, vol. 1, p. 513-522, ISBN: 978-1-4020-8914-5, doi: 10.1007/978-1-4020-8915-2*
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 21. 2008 - Contributo in volume (Capitolo o Saggio)

- V. NIOLA, C. ROSSI (2008). *Chap. 11 - Video Systems in Robotic Applications*. In: Cesare Rossi. *Brain, Vision and AI*. p. 211-242, In-Teh, ISBN: 978-953-7619-04-6
22. 2008 - Curatela
C. ROSSI (a cura di) (2008). *Brain, Vision and AI*. IN-TEH., ISBN: 978-953-7619-04-6
 23. 2008 - Articolo in rivista
Benedicta Normanna Limata, Lucio Gialanella, Antonino Di Leva, Nicola De Cesare Antonio D'Onofrio, G. Gyurky, Claus Rolfs, Mario Romano, Detlef Rogalla, Cesare Rossi, Michele Russo, Endre Somorjai, Filippo Terrasi (2008). *Be-7 radioactive beam production at CIRCE and its utilization in basic and applied physics*. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH. SECTION B, BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, vol. B 266, p. 2117-2121, ISSN: 0168-583X, doi: 10.1016/j.nimb.2008.02.083
 24. 2007 - Articolo in rivista
R. BRANCATI, C. ROSSI, F. TIMPONE (2007). *Dynamic Behaviour and Motion Planning of a Robot Arm with Non-Rigid Transmission*. *MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES*, vol. 35, p. 347-362, ISSN: 1539-7734, doi: 10.1080/15397730701606627
 25. 2007 - Articolo in rivista
V. NIOLA, C. ROSSI, S. SAVINO (2007). *Vision System for Industrial Robots Path Planning*. *INTERNATIONAL JOURNAL OF MECHANICS AND CONTROL*, vol. 08, p. 35-45, ISSN: 1590-8844
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V. NIOLA, C. ROSSI, SAVINO S (2007). *An Application of Vision System to the Path Planning of Industrial Robots*. In: *2ND INTERNATIONAL SYMPOSIUM ON BRAIN, VISION AND ARTIFICIAL INTELLIGENCE*. NAPLES, 10-12 OCTOBER, 2007, p. 586-594
 27. 2007 - Contributo in volume (Capitolo o Saggio)
V. NIOLA, C. ROSSI (2007). *Cap.14 - Video Applications for Robot Arms*. In: *LOW KIN HUAT. Industrial Robotics*. p. 273-292, *ARS Advanced Robotic Systems International*, ISBN: 3-86611-286-6
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G. MOSCARIELLO, V. NIOLA, C. ROSSI (2006). *Capstan Law Motion Planning in Funicular Railways*. In: *Proceedings. Vouliagmeni, Athens, Greece, July 10-12, 2006*, vol. 1, p. 663-669
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NIOLA V, C. ROSSI, SAVINO S (2006). *A Robotic Cinematic Calibration Technique*. In: *5TH INTERNATIONAL CONF. ON SIGNAL PROCESSING, ROBOTICS AND AUTOMATION*. MADRID, FEBRUARY 15-17, 2006, vol. CD, p. nd
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V. NIOLA, C. ROSSI, S. SAVINO (2006). *Perspective Transform in Robotic Applications*. *WSEAS TRANSACTIONS ON SYSTEMS*, vol. 5, p. 678-684, ISSN: 1109-2777
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G. MOSCARIELLO, V. NIOLA, C. ROSSI (2006). *Applications of a Motion Planning Algorithm for Funicular Railways*. *WSEAS TRANSACTIONS ON SYSTEMS*, vol. 5, p. 2092-2098, ISSN: 1109-2777
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G. MOSCARIELLO, V. NIOLA, C. ROSSI (2006). *An Algorithm for Capstan Motion Planning in Funicular Railways*. *WSEAS TRANSACTIONS ON SYSTEMS*, vol. 5, p. 2079-2085, ISSN: 1109-2777
 35. 2006 - Articolo in rivista
V. NIOLA, C. ROSSI, S. SAVINO (2006). *A camera model for robot trajectories recording" -Transaction on computers, Iusse 2, Vol. 5, February 2006, pagg. 403 - 409*. *WSEAS TRANSACTIONS ON COMPUTERS*, vol. 5, p. 403-409, ISSN: 1109-2750
 36. 2005 - Articolo in rivista
V. NIOLA, QUAREMBA G., C. ROSSI, SAVINO G. (2005). *Trajectories planning by assigning position and velocity laws*. *WSEAS TRANSACTIONS ON INFORMATION SCIENCE AND APPLICATIONS*, vol. 2, p. 1046-1051, ISSN: 1790-0832
 37. 2005 - Contributo in Atti di convegno
R. BRANCATI, SAVINO S., ROSSI C. (2005). *A method for trajectory planning in joint space*. In: -. XIV

- International Workshop on Robotics in Alpe-Adria-Danube Region. Bucarest, 26-28 maggio, p. 81-85, Bucarest:-, ISBN: 973-718-241-3*
38. 2005 - Articolo in rivista
V. NIOLA, C. ROSSI (2005). Video acquisition of a robot arm trajectories in the work space. *WSEAS TRANSACTIONS ON COMPUTERS*, vol. 4, p. 830-836, ISSN: 1109-2750
 39. 2005 - Articolo in rivista
MOSCARIELLO G., V. NIOLA, C. ROSSI (2005). Law of motion influence on the start-stop transient of funicular railways. *WSEAS TRANSACTIONS ON SYSTEMS*, vol. 4, p. 2163-2168, ISSN: 1109-2777
 40. 2005 - Articolo in rivista
MOSCARIELLO G., NIOLA V., C. ROSSI (2005). Funicular Railways Dynamical Behaviour During the Start and Stop Transients. *WSEAS TRANSACTIONS ON SYSTEMS*, vol. 4, p. 1966-1974, ISSN: 1109-2777
 41. 2002 - Contributo in volume (Capitolo o Saggio)
R. BRANCATI, S. DELLA VALLE, C. ROSSI (2002). A METHOD FOR THE IDENTIFICATION OF THE DYNAMICAL PARAMETERS OF A PLANAR MANIPULATOR. In: -. -. p. 113-117, XI WORKSHOP ON ROBOTICS IN ALPE-ADRIA-DANUBE REGION
 42. 2002 - Contributo in volume (Capitolo o Saggio)
S. PAGANO, C. ROSSI, F. TIMPONE (2002). A LOW COST 5 AXES REVOLUTE INDUSTRIAL ROBOT DESIGN. In: -. -. p. 25-29, 11TH WORKSHOP ON ROBOTICS, RAAD 2002
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S. PAGANO, C. ROSSI, F. TIMPONE (2002). A LOW COST 5 AXES REVOLUTE INDUSTRIAL ROBOT DESIGN. In: -. -. p. 25-29, 11TH WORKSHOP ON ROBOTICS, RAAD 2002
 44. 1999 - Articolo in rivista
C. ROSSI, S. SCOCCA (1999). Influence of the Transmission Elasticity on the Law of Motion of a Robot Arm. *CASYS: INTERNATIONAL JOURNAL OF COMPUTING ANTICIPATORY SYSTEMS*, vol. 6, p. 329-340, ISSN: 1373-5411
 45. 1998 - Articolo in rivista
R. BRANCATI, C. ROSSI, M. RUSSO (1998). Recent investigations on Robot Mechanics at D.I.M.E. *CASYS: INTERNATIONAL JOURNAL OF COMPUTING ANTICIPATORY SYSTEMS*, vol. 1, p. 513-520, ISSN: 1373-5411
 46. 1997 - Articolo in rivista
G. ADILETTA, A.R. GUIDO, C. ROSSI (1997). Nonlinear Dynamics of a Rigid Rotor in Journal Bearings: Theoretical Analysis. *NONLINEAR DYNAMICS*, vol. 14, p. 57-87, ISSN: 0924-090X
 47. 1997 - Articolo in rivista
G. ADILETTA, A.R. GUIDO, C. ROSSI (1997). Nonlinear Dynamics of a Rigid Rotor in Journal Bearings: Experimental Analysis. *NONLINEAR DYNAMICS*, vol. 14, p. 157-189, ISSN: 0924-090X
 48. 1997 - Articolo in rivista
G. ADILETTA, A.R. GUIDO, C. ROSSI (1997). Nonlinear dynamics of a rigid unbalanced rotor in journal bearings. Part I: Theoretical analysis. *NONLINEAR DYNAMICS*, vol. 14, p. 57-87, ISSN: 0924-090X, doi: 10.1023/A:1008282014350
 49. 1996 - Articolo in rivista
E. DE ROSA, C. ROSSI (1996). Dynamic Behaviour of an Unbalanced Rotor on Lubricated Bearings. *TRIBOLOGY TRANSACTIONS*, vol. 39, p. 859-869, ISSN: 1040-2004
 50. 1996 - Articolo in rivista
G. ADILETTA, A.R. GUIDO, C. ROSSI (1996). Chaotic Motions of a Rigid Rotor in Short Journal Bearings. *NONLINEAR DYNAMICS*, vol. 10, p. 251-269, ISSN: 0924-090X
 51. 1996 - Articolo in rivista
G. ADILETTA, A.R. GUIDO, C. ROSSI (1996). Non-Periodic Motions of a Jeffcott Rotor with Non-Linear Elastic Restoring Forces. *NONLINEAR DYNAMICS*, vol. 11, p. 37-59, ISSN: 0924-090X
 52. 1995 - Articolo in rivista
C. ROSSI, D. DE FALCO (1995). Unconventional Method for Flexible Rotor Balancing. *MECHANIKA TEORETYCZNA I STOSOWANA*, vol. 33, p. 83-97, ISSN: 0079-3701
 53. 1991 - Articolo in rivista
E. DE ROSA, L. DELLA PIETRA, C. ROSSI (1991). Static and Dynamic Behaviour of a Rigid Rotor on Journal Bearings. *MECCANICA*, vol. 4, p. 229-245, ISSN: 0025-6455
 54. 1988 - Articolo in rivista
L. DELLA PIETRA, C. ROSSI (1988). Oil Feed Influence on the Behaviour of a Journal Bearing.

- MECCANICA, vol. 23, p. 232-242, ISSN: 0025-6455
55. 1985 - Articolo in rivista
De Cataldis C., Sinagra C., Rossi C. (1985). Comparison between the characteristics of the surface microgeometry on sintered and fully dense materials.. TRIBOLOGIA E LUBRIFICAZIONE, vol. 20, p. 99-106, ISSN: 0372-1213
 56. 1983 - Articolo in rivista
D'Agostino V., Palazzo G., Rossi C., Rossi F. (1983). Performances of composite NI-MoS coatings obtained by electrocodeposition.. TRIBOLOGIA E LUBRIFICAZIONE, vol. 18, p. 58-64, ISSN: 0372-1213

Altre Pubblicazioni

1. 2010 - Contributo in Atti di convegno
M. CIGOLA, C. ROSSI, F. RUSSO, M. CECCARELLI (2010). Strumenti Greco-Romani per la misura delle distanze. In: Storia dell'Ingegneria. Atti del 3° Convegno nazionale. Napoli, 19-21 aprile 2010, vol. 1, p. 219-227, NAPOLI:Cuzzolin s.r.l., ISBN: 8887479119
2. 2009 - Contributo in Atti di convegno
V. NIOLA, C. ROSSI, S. SAVINO, S. STRANO (2009). A Method for the Calibration of a 3-D Laser Scanner. In: -. -. Middlesbrough, UK, 6 -8 July 2009, p. 383-390
3. 2009 - Contributo in Atti di convegno
V. NIOLA, C. ROSSI, S. SAVINO, S. STRANO (2009). A New Real Time Shape Acquisition system with a Laser Scanner: First Test Results. In: -. -. Middlesbrough, UK, 6 -8 July 2009, p. 391-398
4. 2008 - Contributo in Atti di convegno
C. ROSSI, M. CIGOLA, M. CECCARELLI (2008). Alcune tappe verso l'automazione. In: Atti del II Convegno Nazionale di Storia dell'Ingegneria. Napoli, 7-9 apr. 2008, vol. 1, p. 461-470, Cuzzolin Editore, ISBN: 978-88-87998-86-3
5. 2008 - Contributo in Atti di convegno
C. ROSSI, F. RUSSO, F. RUSSO (2008). Il Meccanismo di Anticitera: un oggetto fuori del tempo o un prodotto delle conoscenze dell'età classica?. In: Atti del II Convegno Nazionale di Storia dell'Ingegneria. Napoli, 7-9 apr. 2008, vol. 1, p. 409-420, Cuzzolini Editore, ISBN: 978-88-87998-86-3
6. 2008 - Contributo in Atti di convegno
M. CECCARELLI, M. CIGOLA, C. ROSSI (2008). Sviluppo di automi in Italia. In: Atti del II Convegno Nazionale di Storia dell'Ingegneria. Napoli, 7-9 aprile 2008, p. 257-266, Cuzzolin Editore
7. 2008 - Contributo in Atti di convegno
RUSSO F., C. ROSSI, RUSSO F. (2008). Automatic weapons of the Roman Empire. In: Proceedings of Eucomes 08. Cassino, September 17-20, 2008, vol. 1, p. 1-10, ISBN: 978-1-4020-8914-5, doi: 10.1007/978-1-4020-8915-2
8. 2006 - Contributo in Atti di convegno
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9. 2006 - Contributo in Atti di convegno
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10. 2006 - Contributo in Atti di convegno
NIOLA V, C. ROSSI, SAVINO S (2006). Modelling and Calibration of a Camera for Robot Trajectories recording. In: 5TH INTERNATIONAL CONF. ON SIGNAL PROCESSING, ROBOTICS AND AUTOMATION. MADRID, FEBRUARY 15-17, 2006, vol. CD, p. nd
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12. 2006 - Contributo in Atti di convegno
MOSCARIELLO G, NIOLA V, C. ROSSI (2006). Computer Capstan Laws of Motion in Funicular Railways. In: 10TH WSEAS INT.CONF. ON SYSTEMS. VOULIAGMENI ATHENS, GREECE, JULY 14-16, 2006, p. nd, WSEAS
13. 2005 - Contributo in Atti di convegno

- BRANCATI R., C. ROSSI, SAVINO S. (2005). A Method for Trajectory Planning in the Work Space. In: 14th International Workshop on Robotics in Alpe Adria Danube Region. Bucharest, May 26-28, 2005, p. 81-85
14. 2005 - Contributo in Atti di convegno
MOSCARIELLO G., NIOLA V., C. ROSSI (2005). DYNAMICAL BEHAVIOUR OF FUNICULAR RAYLWAYS: A FIRST APPROACH. In: Proc. 5th Wseas International Conference on Signal Processing, Computational Geometry & Artificial V. Malta, 15-17 September 2005, p. 254-259
 15. 2005 - Contributo in Atti di convegno
NIOLA V., C. ROSSI (2005). A method for the trajectories recording of a robot arm: early results. In: 9th WSEAS International Conference on Computers. Atene, 16 July 2005, vol. CD, p. nd
 16. 2004 - Contributo in Atti di convegno
BRANCATI R, SAVINO S., VOLLONO G., C. ROSSI (2004). A Robot Prototype for Advances Didactis. In: XIII International Workshop on Robotics in Alpe-Adria-Danube Region. brno, 1-6 giugno, p. 293-298, brno:XIII RAAD
 17. 2004 - Contributo in Atti di convegno
R. BRANCATI, C. ROSSI, S. SAVINO, G VOLLONO (2004). A Robot Prototype for Advanced Didactics. In: 13th int. Workshop RAAD 04. Brno, 2-5, giugno 2004, vol. 1, p. 263-298
 18. 2004 - Contributo in Atti di convegno
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 19. 2003 - Contributo in Atti di convegno
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 20. 2003 - Contributo in Atti di convegno
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 21. 2003 - Contributo in Atti di convegno
R. BRANCATI, C. ROSSI, F. TAMPONE (2003). Co-Simulation Approach for Design and Control of Robotic Systems. In: -. -. Cassino, Italy, May 7-10, 2003, p. 1-10
 22. 2003 - Contributo in Atti di convegno
R.BRANCATI, S.DELLA VALLE, C.ROSSI (2003). RECENT RESULTS OF THE ROBOT MECHANICS INVESTIGARECENT RESULTS OF THE ROBOT MECHANICS INVESTIGATIONS AT D.I.M.E.. In: -. -. p. 121-126, UNIVERSITA CASSINO
 23. 2003 - Contributo in Atti di convegno
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C. ROSSI, S. DELLA VALLE AND C. ROSSI (2002). A Method for the Identification of the Dynamical Parameters of a Planar Manipulator. In: -. 11th int. Workshop RAAD 2002. vol. 1, p. 111-116
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 28. 2001 - Contributo in Atti di convegno
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R. BRANCATI, C. ROSSI, S. SCOCCA (2000). An Experimental Planar Manipulator Controlled in the Joint Space. In: INES 2000. vol. 1, p. 125-128
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F. DE NICOLA, M. JACOBSTAH, C. ROSSI (2000). A new Approach to Optimum Robot Path Positioning

- and Orientation. In: 9th int Workshop RAAD 2000. vol. 1, p. 71-76*
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R. BRANCATI, C. ROSSI, M. RUSSO (1999). *Optimum 3-d.o.f. Robot Path Positioning and Orientation. In: 8th int Workshop RAAD 99. vol. 1, p. 25-30*
 32. 1999 - Contributo in Atti di convegno
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 34. 1998 - Contributo in Atti di convegno
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