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Marco Ceccarelli was born in Rome in 1958. He received the mechanical engineer degree cum laude in 1982 at the University “La Sapienza” of Rome. At the same University he received a Ph.D. degree in Applied Mechanics in 1988. In 1987 he was visiting scholar at Stanford University, U.S.A., and in 1990 he received a CNR-NATO annual grant as visiting professor at the Technical University of Valencia, Spain. Since 1990 he teaches courses on Mechanics of Machinery and Mechanisms, and Mechanics of Robots at the School of Engineering at the University of Cassino. Since 1996 he is Director of LARM, the Laboratory of Robotics and Mechatronics at the University of Cassino and South Latium. Since 2001 he is Full Professor of Mechanics of Machinery and Mechanisms at Cassino University. From 2003 to 2005 he has been Vice Director of DiMSAT Department.

He is ASME fellow (The American Society of Mechanical Engineers) and member of AEIM (Spanish Society of Mechanical Engineers), SIRI (Italian Association of Robotics and Automation), IEEE (the Institute of Electrical and Electronics Engineers), IFAC (International Federation of Automation and Control), FelbIM (Iberoamerican Federation for Mechanical Engineering), AISI (Italian Society for the History of Engineering), GMA (Italian Group for Mechanics of Machinery).

From 1998 to 2004 he has been Chairman of the Permanent Commission for History of Machine and Mechanism Science of IFToMM, the International Federation for the Promotion of Machine and Mechanism Science, and currently he is still a member. He is also member of the IFToMM Technical Committee for Robotics. He has been member of IFToMM TC for Computational Kinematics. He is Chairman of the Commission for Mechatronics of FelbIM, Federaciòn Iberoamericana de Ingenieria Mecànica. In 2008-2009 he has been Coordinator of the Scientific Committee for RAAD, International Workshops on Robotics in Alpe-Adria-Danube Region. Since 2002 he is Chairman of the Scientific Committee of MUSME, IFToMM-FelbIM International Conference on Mechatronics and Multibody Systems. Since 2010 is Chairman of the Scientific Committee of MEDER, IFToMM International Conference on Mechanism Design for Robots. He is member of scientific Committees for several conferences, like RAAD, Romansy, CK, SYROM, EUCOMES, and many others; he is associate editor for the journal Transactions of CSME (the Canadian Society of Mechanical Engineers), Journal Mechanics Based Design of Structures and Machines, International Journal of Mechanics and Control, Chinese Journal of Mechanical Design, and Journal Advanced Robotic Systems, Int. Journal of Mechanisms and Robotic Systems, Frontiers of Mechanical Engineering; he has served as associated editor for Mechanism and Machine Theory; he has served as reviewer for several international conferences and journals; he has served as reviewer for national and international projects for Italian and foreign agencies. He has given invited lectures and short courses in many countries at conference events, celebration events, or within regular courses. He has carried out consulting activity for companies and in industrial plants on problems regarding with Automation and Robotics. He has been the founder and then Scientific Editor for the Proceedings of HMM 2000, HMM 2004, HMM 2008 and HMM 2012, International Symposium on History of Machines and Mechanisms. He has been Chairman for HMM 2000 and 2004 that have been held in Cassino. He has been the founder of MUSME, the IFToMM-FelbIM Symposium on Multibody Systems and Mechatronics and then he has been Co-Chairman for MUSME in 2002 in Mexico City, in 2005 in Uberlandia, Brazil, in 2008 in San Juan, Argentina, and in 2011 IN Valencia, Spain. He has been Chairman for RAAD Workshops held in Cassino in 1997 and 2003. He has been Chairman for CK2005, IFToMM International Workshop on Computational Kinematics that has been held in Cassino in 2005. He is the Scientific Editor of a Book Series on History of Mechanism and Machine Science published by Springer since 2007. In 2007 he has edited ‘Distinguished Figures in MMS – Part 1’ published by Springer in the above-mentioned book series and in 2009 he has edited the Part 2. He is Scientific Editor of a Book Series on Mechanism and Machine Science published by Springer since 2010. He has co-authored the book ‘A short Illustrated History of Machines’ published at Technical University in Madrid in 2008 with a revised version published by Springer in 2010. In 2008 he edited the book ‘Robot Manipulators’ published by I-Tech Education Publishing KG in Wien. In 2012 he edited the book ‘Service Robots and Robotics’ published by IGI-Global. He has written the book ‘Fundamentals of Mechanics of Robotic Manipulation’ published by Kluwer/Springer in 2004. Together with prof Carlos Lopez-Cajùn he has written the book ‘Mecanismos –Fundamentos cinematicos para el diseno y optimizacion de maquinaria’ published by Trillas Publisher in Mexico in 2008. He also edited or co-edited books as proceedings of several other conferences. With LARM team he has conceived and developed several algorithms and systems, like ring formula for workspace determination, design formulation for circular-arc cams, CAPAMAN manipulator, LARM Hand, CATRASYS, CALOWI, LARM Rickshaw robot, LARM Hexapod, LARM clutched arm, Cassino Hexapod, Sureybot, even with experimental characterization and results. He has also worked out findings and interpretations in the History of Mechanical Engineering, like on Screw Theory by Giulio Mozzi and on personalities like Lorenzo Allievi and Giuseppe Antonio Borgnis.

In November 2003 he has received the Degree of Doctor Honoris Causa in Mechatronic Engineering from UNI, National University of Lima, Perú; in May 2009 he received Honoris Causa Degree in Engineering from Technical University of Kursk, Russia; in October 2009 he received Honoris Causa Doctor Degree in Engineering from Technical University of Brasov, Romania; in April 2010 he received Honoris Causa Doctor Degree in Engineering from University of Craiova, Romania, as recognizing his academic and scientific career, and his support to the activity. He has also received the 2010 Engineer-Historian Award of the American Society of Mechanical Engineers (ASME) for his lifelong involvement in mechanical engineering, specifically the history of machines and mechanisms. He has been Coordinator of the Commission for Research of GMA, Italian National Group for Mechanics of Machinery for the period 2002-2006. He has been elected Secretary-General of IFToMM for the term 2004-2007. He has been elected President of IFToMM for the term 2008-2011. He has been active in IFToMM leadership with different positions since 1998.

His research interests cover aspects of Theory of Machines and Mechanisms (TMM) and Mechanics of Robots. Specific subjects of his interest are Analysis and Design of Workspace and Manipulation; Mechanical Design of Manipulators, Legged Robots; Grippers and Hands; Mechanics of Grasp; History of TMM; and Mechanism Design. He is author or co-author of more than six hundreds papers, which have been presented at Conferences or published in national and international journals.

More information at the web page: <http://webuser.unicas.it/weblarm/larminindex.htm>

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