

CURRICULUM VITAE

(Brief)

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December 2006

EDUCATION

- “Agregação” in Mechanical Design, Technical University of Lisbon, 1982;
- Ph.D. in Structural Dynamics, University of Surrey, 1975;
- M.Sc. in Mechanics of Solids, University of Aston in Birmingham, 1971;
- B.Sc. Mechanical Engineering, University of Aston in Birmingham, 1970;

POSITIONS

- Chairman of LAETA – Associate Laboratory in Energy, Transports and Aeronautics, since 2006;
- Chairman of IDMEC - Institute of Mechanical Engineering, since 1992;
- Chairman, Department of Mechanical Engineering, I.S.T., 1998-2002;
- Chairman, Department of Mechanical Engineering, I.S.T., 1991 - 1996;
- Professor Technical University of Lisbon, since 1985;
- Visiting Professor, University of Iowa, 1983-1984;
- Director of CEMUL, 1982 - 1992;
- Associate Professor, Technical University of Lisbon, 1979-1985;
- Assistant Professor, Technical University of Lisbon, 1977-1979;
- Research Associate, Institute of Sound and Vibration Research, University of Southampton, 1974-1977;
- Mechanical Engineering Apprentice, British Leyland Motor Corporation, 1964-1971.

RESEARCH EXPERIENCE

- Chairman of the ECCOMAS Thematic Conferences in Smart Structures and Materials, 2003, 2005 and 2007;
- Chairman of the III European Conference on Computational Mechanics: Solids, Structures and Coupled Problems in Engineering, 2006;

- Co-Chairman of the World Congresses on Structural and Multidisciplinary Optimization, 1993 and 2005;
- Director of the NATO Advanced Study Institute on Mechanics of Composite Materials and Structures, Portugal, 1998.
- Director of NATO Advanced Research Workshop on "Topology Design of Structures", Portugal, 1992.
- Director of the NATO/NASA Advanced Study Institute on Computer Aided Optimal Design: Structural and Mechanical Systems", Portugal, 1986.
- Supervisor or Co-Supervisor of 9 Ph.D. Thesis.
- Project leader of the AGARD Project "Computer Aided Analysis and Optimization of Structures", in collaboration with the University of Iowa.
- Project leader of the AGARD Project "Shape Optimal Design of Composite Structures", in collaboration with the University of Michigan and Technical University of Denmark.
- Coordinator of CASSEM – Composites and Adaptive Structures: Simulation, Experimentation and Modelling, NMP Program of UE.
- Coordinator of 40 COMETT Courses in Computer Aided Analysis and Design of Structural and Mechanical Systems, in 11 countries of UE.
- Coordinator of 10 FCT Research Projects.
- Participation in 10 European Research Projects.
- Guest Editor of the International Journal Computer & Structures.
- Guest Editor of the International Journal of Advanced Materials and Structures.
- Associate Editor of the International Journal of Structural and Multidisciplinary Optimization.
- Associate Editor of the International Journal of Structural Optimization.
- Associate Editor of the International Journal of Engineering Optimization.
- Associate Editor of the International Journal of Mechanics of Structures and Machines.
- Associate Editor of the International Journal of Mechanics of Composite Materials and Structures.
- Associate Editor of the Journal of Computational Engineering Science.
- Associated Editor of the International Journal of Boundary Elements.
- Associated Editor of the Brazilian Journal of Mechanical Science.

- Referee to the International Journal of Numerical Methods in Engineering.
- Referee to the ASME Journal of Mechanical Design.
- Referee to the Journal of IAAA.
- Referee to the Journal of Computer Methods in Applied Mechanics and Engineering.
- Referee to the Journal of Engineering Analysis.
- Referee to the Journal of Communications in Applied Numerical Methods.
- Adviser to the BRITE Program about priorities of research in UE.
- Referee of BRITE Research Projects
- National Delegate of the BRITE Program (1994-1998).
- National Delegate of the GROWTH Program, (1999-2004).
- National Delegate of the NMP Program, since 2004.
- National Delegate of EUCLID Program, (1990-2004).
- Member of Scientific Council of FCT (Foundation for Science and Technology), since 2002.
- Coordinator of the scientific area of Computational Mechanics of JNICT. (1987-1989)
- Member of the Executive Council of IACM (International Association of Computational Mechanics), since 2006.
- Member of Managing Board of ECCOMAS (European Community in Computational Methods in Applied Science), since 2004.
- Fellow of IACM (International Association of Computational Mechanics), since 2002.
- Honorary Member of APMTAC – National Association for Theoretical, Applied and Computational Mechanics, since 2004.
- Chairman of APMTAC – National Association for Theoretical, Applied and Computational Mechanics, since 1999.
- Vice-Chairman of APMTAC – National Association for Theoretical, Applied and Computational Mechanics, (1996-1999).

BOOKS / SPECIAL ISSUES

29. C.A. Mota Soares and C.M. Mota Soares, Advanced Composites, Special Issue of the International Journal of Mechanics of Advanced Materials and Structures, 2007.
28. C.A. Mota Soares and C.M. Mota Soares, Advanced Composites, Special Issue of the International Journal of Computers and Structures, 2007.
27. C.A. Mota Soares, M. Bendsoe, K.K. Choi and J. Herskovits, Structural and Multidisciplinary Optimization, Special Issue of the International Journal of Computers and Structures, 2007.
26. P. Ribeiro, B.H.V. Topping and C.A. Mota Soares, Nonlinear Structural Dynamics, Special Issue of the International Journal of Computer and Structures, 2006.
25. C.A. Mota Soares, J. Holnicki-Szulc, A. Suleman and C.M. Mota Soares, Smart Structures, International Journal of Computer and Structures, 2006.
24. C.A. Mota Soares, J.A.C. Martins, H.C. Rodrigues, J.A.C. Ambrósio, Computational Mechanics: Solids, Structures and Coupled Problems in Engineering, Springer, 2006.
23. C.A. Mota Soares, J.A.C. Martins, H.C. Rodrigues, J.A.C. Ambrósio, C.A.B. Pina, C.M. Mota Soares, E.B.R. Pereira and J. Folgado, III European Conference on Computational Mechanics: Solids, Structures and Coupled Problems in Engineering, Springer, 2006.
22. A. Benjeddou and C.A. Mota Soares, Smart Composites, Special Issue of the International Mechanics of Advanced Materials and Structures, 2006
21. C.A. Mota Soares and A. Suleman, Smart Materials, Special Issue of the International Mechanics of Advanced Materials and Structures, 2006
20. A. Benjeddou, B.H.V. Topping and C.A. Mota Soares, Composite Adaptive Structures: Modeling and Simulation, Special Issue of the International Journal of Computer and Structures, 2006.
19. E. Carrera, B.H.V. Topping and C.A. Mota Soares, Computational Models for Multilayered Structures and Composite Structures, Special Issue of the International Journal of Computer and Structures, 2006.
18. J. Plešek, B.H.V. Topping and C.A. Mota Soares, Formulations and Computational Models for Finite Strains, Special Issue of the International Journal of Computer and Structures, 2006.
17. C.A. Mota Soares, Jan Holnicki-Szulc, A. Suleman, C.M. Mota Soares, Proceedings II ECCOMAS Thematic Conference on Smart Structures and Materials (Book of Abstracts) and CD-ROM, Instituto Superior Técnico, IDMEC/IST, July 2005.
16. B.H.V. Topping and C.A. Mota Soares, Progress in Engineering Computational Technology, Saxe-Coburg Publications, 2004.

15. B.H.V. Topping and C.A. Mota Soares, Progress in Computational Structures Technology, Saxe-Coburg Publications, 2004.
14. C.A. Mota Soares & J.I. Barbosa, Computational Mechanics in Portugal, Special Issue of the International Journal of Computer & structures, 2004.
13. C.A. Mota Soares et al, Métodos Computacionais em Engenharia, LNEC, 2004.
12. J. Holnicki-Sulcz & C.A. Mota Soares, Advances in Smart Technologies in Structural Engineering, Springer, 2004.
11. B. Topping & C.A. Mota Soares, Proceeding of The Seventh International Conference on Computational Structures Technology, Saxe-Coburg Publications, 2004.
10. B. Topping & C.A. Mota Soares, Proceedings of The Fourth International Conference on Engineering Computational Technology, Saxe-Coburg Publications, 2004.
9. C.A. Mota Soares, C.M. Mota Soares & M.J. Moreira de Freitas, Mechanics of Composite Materials and Structures, Kluwer Academic Publishers, 1999.
8. C.A. Mota Soares, C.M. Mota Soares & M.J. Moreira de Freitas, Mechanics of Composite Materials and Structures, Vol. I, II, III, IV, V, IDMEC/IST, 1998.
7. M. Bendsoe & C. A. Mota Soares, Topology Design of Structures, Kluwer Academic Publishers, 1993.
6. C. A. Mota Soares, Computer Aided Optimal Design of Structural and Mechanical Systems, COMETT, 1992.
5. C. A. Mota Soares, Computer Aided Optimal Design: Structural and Mechanical Systems, World Publishing Corporation, 1989.
4. C. A. Mota Soares, J. Teixeira de Freitas & R. Correia, 1^a Encontro Nacional de Mecânica, Vol. 1 & 2, CEMUL, 1987.
3. C. A. Mota Soares, Computer Aided Optimal Design: Structural and Mechanical Systems, Springer-Verlag, 1987.
2. C. A. Mota Soares, Computer Aided Optimal Design of Structures, Special Issue of the the Journal of Engineering Optimization, Vol. 1 & 2, Gordon & Breach, 1987.
1. C. A. Mota Soares, Computer Aided Optimal Design: Structural and Mechanical Systems, Vol. 1, 2 & 3, CEMUL, 1986.

CHAPTERS OF INTERNATIONAL BOOKS

18. C.A. Mota Soares, C.M. Mota Soares, I. Pinto Correia, "Modeling of Laminated Shells with integrated sensors and actuators", *Progress in Computational Structures Technology*, Ed. B.H.V. Topping and C.A. Mota Soares, Saxe-Coburg Publication, Stirling, Scotland, UK, Chapter 11, pp 281-309, 2004.
- 17 M.A. Ramos Loja, C.M. Mota Soares, C.A. Mota Soares, "Recent Developments in Modeling and Design of Laminated and Piezolaminated Structures by the Finite Strip Method", *Computational Structures Technology*, Ed. B.H.V. Topping and Z. Bittnar, Saxe-Coburg Publication, Stirling, Scotland, Chapter 8, pp 197-220, 2002.
16. C.A. Mota Soares , C.M. Mota Soares & V.M. Franco Correia, "Modeling and Design of Laminated Composites Structures with Integrated Sensors and Actuators", *Computer Mechanics for the Twenty-First Century*, Ed. B.H.V. Topping, Saxe-Coburg Publ., Edinburgh, Chapter 9, pp.165-185, 2000.
15. V.M. Franco Correia, C.M. Mota Soares and C.A. Mota Soares, "Optimal Design of Composite Structures with Integrated Piezoelectric Laminae", Ed. C.A. Mota Soares, C.M. Mota Soares and M.J.M. Freitas, *Mechanics of Composite Materials and Structures*, Kluwer Academic Publishers, pp. 389-408, 1999.
- 14• P. P. Leal & C. A. Mota Soares, "Mixed Elements in Shape Optimal Design of Structures Based on Compliance", Editor S. Hernandez, *Advanced Techniques in the Optimum Design of structures*, Computational Mechanics Publications, pp. 141-159, 1993.
- 13• C. M. Mota Soares, C. A. Mota Soares, V. F. Correia & H. C. Mateus, "Optimal Design of Thin Laminated Composite Structures", Editores M. Bendsoe e C. A. Mota Soares, *Topology Design of Structures*, Kluwer Academic Publishers, pp. 313-317, 1993.
- 13• C. A. Mota Soares, C. M. Mota Soares & J. I. Barbosa, "Shape Optimal Design of Axisymmetric Shell Structures", Editor G. Rozvani, *Optimization of Large Structural Systems*, Kluwer Academic Publishers, Vol. 2, pp. 1023-1049, 1993.
12. C. A. Mota Soares & R. P. Leal, "Mixed Elements in Shape Optimal Design of Structures Based on Global Criteria", Editor G. Rozvani, *Layout and Shape Optimal Design of Structures*, Springer-Verlag, pp. 279-300, 1992.
- 11•C. A. Mota Soares & R. P. Leal, "Mixed Elements in Shape Sensitivity, Analysis of Structures Based on Local Criteria", Editor M. Kamat, *Structural Optimization: Status & Promise*, AIAA, pp. 549-567, 1992.
- 10•C. A. Mota Soares, J. I. Barbosa & C. M. Mota Soares , "Shape Optimal Design of Axysymmetric Shell Structures", Editor G. Rozvani, *Shape and Layout Optimization of Structural Systems and Optimality Criteria Methods*, Springer-Verlag, pp. 301-330, 1992.
- 9• C. A. Mota Soares & R. P. Leal, "Mixed Elements in Shape Optimal Design of Structures Based on Global Criteria", Editor G. Rozvani, *Layout and Shape Optimal Design of Structures*, Springer-Verlag, pp. 279-300, 1992.

- 8• C. A. Mota Soares & R. P. Leal, "Shape Optimal Design Using Mixed Elements and Compliance Techniques", Editor S. Sagal, S. Mukherjee, Sensitivity Analysis and Optimization with Numerical Methods, pp. 79-93, ASME, 1990.
- 7• C.A. Mota Soares, J.I. Barbosa, C.M. Mota Soares & J.A. Castro, "Shape Optimal Design of Axisymmetric Shell Structures", Computer Aided Optimum Design of Structures: Recent Advances, Ed. C.A. Brebbia and S. Hernandez, Springer-Verlag, U.K., pp. 337-346, 1989.
- 6• C.A. Mota Soares, J.I. Barbosa, C.M. Mota Soares & P.Pinto, "Optimal Design of Axisymmetric Shell Structures With Static and Dynamic Constraints", Discretization-Procedures and Applications, Ed. H.A. Eschenauer & G. Thierauf, Springer-Verlag, Berlin, pp. 239-246, 1989.
- 5• C. A. Mota Soares, R. P. Leal & K. K. Choi, "Boundary Elements in Shape Optimal Design of Structural Components", Editor C. A. Mota Soares, Computer Aided Optimal Design: Structural and Mechanical Systems, Springer-Verlag, pp. 605-631, 1987.
- 4• C. A. Mota Soares & K. K. Choi, "Boundary Elements in Shape Optimal Design of Structures", Editors J. A. Bennett, M. E. Botkin, The Optimum-Shape: Automated Structural Design, Plenum, pp. 199-231, 1986.
- 3• C. A. Mota Soares, H. C. Rodrigues, L. O. Faria & E. J. Haug, "Boundary Elements in the Shape Optimal Design of Shafts", editor J. S. Gero, Optimization in Computer-Aided Design, North-Holland, pp. 155-172, 1985.
- 2• C. A. Mota Soares, M. Petyt & A. M. Salama, "Finite Element Analysis of Bladed Disks", Editor A. V. Srinivasan, Structural Dynamic Aspects of Bladed Disk Assemblies, ASME, pp. 73-91, 1976.
- 1• C. A. Mota Soares, M. Petyt & A. M. Salama. "Dynamic Analysis of Bladed Disks by Wave Propagation and Matrix Difference Techniques", Editor A. V. Srinivasan, Structural Dynamic Aspects of Bladed Disk Assemblies, ASME, pp. 45-46, 1976.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

66. H. Borrvalho, C. M. Mota Soares, C.A. Mota Soares "A Finite Element Model for the Analysis of 3D Axisymmetric Laminated Shells with Piezowlectric Sensors and Actuators: Bending and Free Vibrations", Computers and Structures, Elsevier, UK, (Accepted).
65. F. Moleiro, C.M. Mota Soares, C.A. Mota Soares, J.N. Reddy, "Mixed Least –Squares Finite Element Model for the Static Analysis of Laminated Composite Plates" , Computers and Structures , Elsevier, UK, (Accepted).
64. J.V.Araújo dos Santos, H.M.R.Lopes, M. Vaz, C.M. Mota Soares, C.A. Mota Soares, C.A. Mota Soares, M.J.M. de Freitas, "Damage Localization in Laminated Composite

- Plates Using Mode Shapes Measured by Pulsed TV Holography”, *Composite Structures*, Elsevier, UK, Vol. 76, pp 272-281, 2006.
63. H. Santos, C.M. Mota Soares, C.A. Mota Soares, J.N. Reddy, “A Finite Element Model for the Analysis of 3D Axisymmetric Laminated Shells with Piezoelectric Sensors and Actuators”, *Composite Structures*, Elsevier. UK, Vol. 75, pp 170-178, 2006.
 62. J.M. Moita, P.G. Martins, C.M. Mota Soares, C.A. Mota Soares, “Optimal Dynamic Control of Laminated Adaptive Structures Using a Higher Order Model and a Genetic Algorithm”, *Computers and Structures*, (Accepted).
 61. J.M. Moita, V.M. Franco Correia, P.G. Martins, C.M. Mota Soares, C.A. Mota Soares, “Optimal Design in Vibration Control of Adaptive Structures Using a Simulated Annealing Algorithm”, *Composite Structures*, Elsevier, UK, Vol. 75, pp 79-87, 2006.
 60. I.F. Pinto Correia, P.G. Martins, C.M. Mota Soares, C.A. Mota Soares, J. Herskovits, “Modeling and Optimization of Laminated Adaptive Structures”, *Composite Structures*, Elsevier, UK, Vol. 75, pp 49-59, 2006.
 59. H. Santos, C.M. Mota Soares, C.A. Mota Soares, J.N. Reddy, “A Semi-Analytical Finite Element Model for the Analysis of Laminated 3D Axisymmetric Shells: Static, Free Vibrations and Buckling”, *Composite Structures*, Elsevier, UK, Vol. 71, pp. 273-281, 2005.
 58. J.M. Moita, C.M. Mota Soares, C.A. Mota Soares, “Active Control of Forced Vibrations in Adaptive Structures Using a Higher Order Model”, *Composite Structures*, Elsevier, UK, Vol.71, pp. 349-355, 2005.
 57. J.V.Araújo dos Santos , C.M. Mota Soares ,C.A. Mota Soares,N.M.M. Maia, “Structural Damage Identification in Laminated Structure Using FRF Data”, *Composite Structures* , Elsevier, UK, Vol.67(2) pp. 239-249, 2005.
 56. R.Garcia Lage, C. M. Mota Soares, C. A. Mota Soares, J. N. Reddy, “Analysis of Adaptive Plate Structures by Mixed Layerwise Finite Elements “, *Composite Structures*, Elsevier, UK, Vol. 66, pp. 269-276, 2004.
 55. I.F.Pinto Correia, C.M. Mota Soares, C.A.Mota Soares, J.Herskovits ”Analysis of Laminated Adaptive Shell Structures Using Higher Order Models”, *Composite Structures*, Elsevier, UK, Vol. 66, pp 261-268, 2004.
 54. R. Garcia Lage, C.M. Mota Soares, C.A. Mota Soares, J.N. Reddy, “Modelling of Piezolaminated Plates using Layerwise Mixed Finite Elements”, *Computers, Structures*, Elsevier, UK, Vol. 82, pp 1849-1863, 2004.
 53. J.E. Semedo Garção, C.M. Mota Soares, C.A. Mota Soares, J.N. Reddy, “Analysis of Laminated Adaptive Structures Using Layerwise Finite Element Models”, *Computers & Structures*, Elsevier, UK, Vol. 82, pp 1939-1959, 2004.
 52. J. M. Simões Moita, I. F. Pinto Correia, C.M. Mota Soares, C.A. Mota Soares, “Active Control of Adaptive Laminated Structures with Integrated Piezoelectric Sensors and Actuators”, *Computers & Structures*, Vol. 82 (17-19), pp. 1349-1358, 2004.

51. R.Garcia Lage, C. M. Mota Soares, C.A. Mota Soares&J.N.Reddy, "Layerwise Partial Mixed Finite Element Analysis of Magneto-Electro-Elastic Plates", *Computers & Structures*, Vol. 82 (17-19), pp. 1293-1301, 2004.
50. V.M. Franco Correia, C.M. Mota Soares, C.A. Mota Soares, "Buckling Optimization of Composite Laminated Adaptive Structures", *Composite Structures*, ol. 62, pp. 317-323, 2003.
49. J.V. Araújo dos Santos, C.M. Mota Soares, C.A. Mota Soares & N.M. Maia, "Influence of Model Incompleteness and Errors in Structural Damage Identification", *Composite Structures*, Vol. 62, pp. 305-315, 2003.
48. I.F. Pinto Correia, C.M. Mota Soares, C.A. Mota Soares & J. Herskovits, "Analysis of Laminated Conical Shell Structures Using High Order Models", *Composite Structures*, Vol. 62, pp. 385-392, 2003.
- 47 J.M. Simões Moita, C.M. Mota Soares & C.A. Mota Soares, "Geometrically Non-Linear Analysis of Composite Structures with Integrated Piezoelectric Sensors and Actuators", *Composite Structures*, Vol.57, pp. 253-261, 2002.
- 46 M.A. Ramos Loja, C.M. Mota Soares & C.A. Mota Soares, "Modelling and Design of Adaptive Structures Using B-Spline Strip Models", *Composite Structures*, Vol. 57, pp. 245-251, 2002.
- 45 R.M. Garcia Lage, C.M. Mota Soares, C.A. Mota Soares & J. Herskovits, "Development of a Single Layer Plate Finite Element Model Based on Walsh Series", *Mechanics of Composite Materials and Structures*, Vol. 9(3), pp. 241-255, 2002.
- 44 I.F. Pinto Correia, C.M. Mota Soares, C.A. Mota Soares & J. Herskovits, "Active Control of Axisymmetric Shells with Piezoelectric Layers: A Mixed Laminated Theory with a High Order Displacement Field" *Computer and Structures*, Vol. 80, pp. 2265-2275, 2002
- 43 C.M. Mota Soares, C.A. Mota Soares, V.M. Franco Correia & M.A: Ramos Loja, "Higher Order B-Spline Strip Models for Laminated Composite Structures with Integrated Sensors and Actuators", *Composite Structures*, Vol. 54, pp. 267-274, 2001.
- 42 M.A. Ramos Loja, C.M. Mota Soares& C.A. Mota Soares, "Higher Order B-Spline Finite Strip Model for Laminated Adaptive Structures", *Composite Structures*, vol. 52, pp. 419-427, 2001.
- 41 V.M. Franco Correia, C.M. Mota Soares & C.A. Mota Soares, "Refined Models for the Optimal Design of Adaptive Structures Using Simulated Annealing", *Composite Structures*, Vol. 54, pp. 161-167, 2001.
- 40• M.A.R. Loja, J. Infante Barbosa, C.M. Mota Soares & C.A. Mota Soares, "Analysis of Piezolaminated Plates by Spline Finite Strip Method", *Computers & Structures*, Vol. 79, pp. 2321-2333, 2001.

- 39• J.S. Moita, J. Infante Barbosa, C.M. Mota Soares & C.A. Mota Soares, "Sensitivity Analysis and Optimal Design of Geometrically Non-linear Laminated Plates and Shells" *Computers & Structures*, Vol. 76 (1-3), pp. 407-420, 2000.
- 38• I.F. Pinto Correia, J. Infante Barbosa, C.M. Mota Soares & C.A. Mota Soares, "A Finite Element Semi-Analytical Model for Laminated Axisymmetric Shells: Statics, Dynamics and Buckling", *Computers & Structures*, Vol. 76, pp. 299-317, 2000.
- 37• J.V. Araújo dos Santos, C.M. Mota Soares, C.A. Mota Soares & H.L.G. Pina, "A Damage Identification Numerical Model Based on the Sensitivity of Orthogonal Conditions and Least Squares Techniques", *Computers & Structures*, Vol.78, pp.283-291, 2000.
- 36• J.V. Araújo dos Santos, C.M. Mota Soares, C.A. Mota Soares & H.L.G. Pina, "Development of a Numerical Model for the Damage Identification on Composite Plate Structures", *Composite Structures*, Vol. 48, pp. 59-65, 2000.
- 35• V.M. Franco Correia, A. Gonçalves, Afzal Suleman, C.M. Mota Soares & C.A. Mota Soares, "Modeling and Design of Adaptive Composite Structures", *Computer Methods in Applied Mechanics and Engineering*, Vol. 185 (2-4), pp. 325-346, 2000.
- 34• C.M. Mota Soares, C.A. Mota Soares & V.M. Franco Correia, "Optimal Design of Piezolaminated Structures", *Composite Structures*, Vol. 47, pp. 625-634, 1999.
- 33• I.F. Pinto Correia, C.M. Mota Soares, C.A. Mota Soares & J. Herskovits Norman, "Development of Semianalytical Shell Models with Embedded Sensors and Actuators", *Composite & Structures*, Vol.47, pp. 531-541, 1999.
- 32• J.V.A. Santos, C.M. Mota Soares, C.A. Mota Soares & H.L.G. Pina, "Damage Identification of Composite Structures: A Numerical Model", *Mechanics of Composite Materials and Structures*, Vol. 6 (4), pp. 363-376, 1999.
- 31• J. Simões Moita, C.M. Mota Soares & C.A. Mota Soares, "Buckling and Dynamic Behavior of Laminated Composite Structures Using a Discrete Higher-Order Displacement Model", *Computers and Structures*, Vol.73, pp. 407-423, 1999.
- 30• C.M. Mota Soares, C.A. Mota Soares & V.M. Franco Correia, "Multiple Eigenvalue Optimization of Composite Structures Using Discrete Third Order Displacement Models", *Composite Structures*, Vol. 28, pp. 99-110, 1997.
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- 21• C. A. Mota Soares, C. M. Mota Soares & J. I. Barbosa, "Axisymmetric Thin Shell Structures-Sizing and Shape Optimization", *Journal of Control and Cybernetics*, Vol. 23, N° 3, pp. 513-551, 1994.
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- 18• J. B. Cardoso & C. A. Mota Soares, "Integração de Métodos de Modelação Geométrica, Elementos Finitos e Programação Matemática no Projecto Estrutural", *Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería*, Vol. 8, 1-18, 1992.
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