Publication List for
Franz G. Rammerstorfer

(with data from the TU Vienna Publication Data Base)
March, 2017

Publications in Scientific Journals

1. C. Kirchlechner, F. Toth, F. G. Rammerstorfer, F.D. Fischer, G. Dehm:
   "Pre- and Post-Buckling Behavior of Bi-Crystalline Micropillars: Origin and Consequences";
   Acta Materialia, **124** (2017), 195 - 203.

2. T. Antretter, F.D. Fischer, F. G. Rammerstorfer, G. Zickler:
   *"*Free Edges at Bilayered Compounds - A Short Analytical and Numerical Reconsideration*";*
   Archive of Applied Mechanics, **86** (2016), 2053 - 2061.

3. B. Daum, F.G. Rammerstorfer:
   "*The symmetric buckling mode in laminated elastoplastic micro structures under plane strain";*
   Acta Mechanica, **227** (2016), 10; 2843 - 2859.

4. Y.I. Nyashin, M.Y. Nyashin, M.A. Osipenko, V.A. Lokhov, A. Dubinin, F. G. Rammerstorfer, A. Zhurov:
   "*Centre of Resistance and Centre of Rotation of a Tooth: Experimental Determination, Computer Simulation and the Effects of Tissue Nonlinearity*";
   Computer Methods in Biomechanics and Biomedical Engineering, **19** (2016), 9; 229 - 239.

5. M. Bartosik, M. Todt, D. Holec, J. Todt, Z. Zhang, L. Zhou, H. Riedl, H. J. Böhm, F. G. Rammerstorfer, P.H. Mayrhofer:
   "*Thermal Expansion of Rock-Salt Cubic AlN*";
   Applied Physics Letters, **107** (2015), 071602.

6. V.M. Marx, F. Toth, A. Wiesinger, J. Berger, C. Kirchlechner, M.J. Cordill, F.D. Fischer, F. G. Rammerstorfer, G. Dehm:
   "*The Influence of a Brittle Cr Interlayer on the Deformation Behavior of thin Cu Films on Flexible Substrates: Experiment and Model*";
   Acta Materialia, **89** (2015), 278 - 289.

7. I.C. Skrna-Jakl, D. H. Pahr, K.H. Karner, F. G. Rammerstorfer:
   "*Homogenization Technique for the Efficient Modeling of Large Scale Corrugated Core Sandwich Structures*";
   International Journal of Applied Physics and Mathematics, **4** (2014), 1; 62 - 67.

8. M. Todt, R.D. Bitsche, M.A. Hartmann, F.D. Fischer, F. G. Rammerstorfer:
"*Growth Limit of Carbon Onions - A Continuum Mechanical Study*";
International Journal of Solids and Structures, **51** (2014), 3-4; 706 - 715.

9. M. Todt, F. Toth, M.A. Hartmann, D. Holec, M.J. Cordill, F.D. Fischer, F. G. Rammerstorfer:
"*Computational Simulation of Instability Phenomena in Nanoparticles and Nanofilms*";
Computational Technology Reviews, **10** (2014), 89 - 119.

10. B. Daum, G. Dehm, H. Clemens, M. Rester, F.D. Fischer, F. G. Rammerstorfer:
"*Elastoplastic Buckling as Source of Misinterpretation of Micropillar Tests*";
Acta Materialia, **61** (2013), 13; 4996 - 5007.

11. M.A. Hartmann, M. Todt, F. G. Rammerstorfer, F.D. Fischer, O. Paris:
"*Elastic Properties of Graphene Obtained by Computational Mechanical Tests*";
EPL (Europhysics Letters), **103** (2013), 68004.

12. F. Toth, F. G. Rammerstorfer, M.J. Cordill, F.D. Fischer:
"*Detailed Modelling of Delamination Buckling of Thin Films under Global Tension*";
Acta Materialia, **61** (2013), 7; 2425 - 2433.

13. C. Bilik, D. H. Pahr, F. G. Rammerstorfer:
"*A Bead Laying Algorithm for Enhancing the Stability and Dynamic Behavior of Thin-Walled Structures*";
Acta Mechanica, **223** (2012), 8; 1621 - 1631.

14. J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer, H.A. Mang, M. Pöll:
"*ECCOMAS 2012 - Sixth European Congress on Computational Methods in Applied Sciences and Engineering*";
Computer Assisted Methods in Engineering and Science, **19** (2012), 305 - 308.

15. C. Bilik, F. G. Rammerstorfer, G. Figala, B. Buchmayr:
"*Computational Modelling of Laser Treatment of Plates for Increased Buckling Loads and Natural Frequencies*";
Journal of Mechanical Engineering Science, **225** (2011), 10; 2385 - 2398.

16. M. Todt, F. G. Rammerstorfer, F.D. Fischer, P.H. Mayrhofer, D. Holec, M.A. Hartmann:
"*Continuum Modeling of van der Waals Interactions Between Carbon Onion Layers*";
Carbon, **49** (2011), 5; 1620 - 1627.

17. M.J. Cordill, F.D. Fischer, F. G. Rammerstorfer, G. Dehm:
"*Adhesion Energies of Cr Thin Films on Polyimide Determined from Buckling: Experiment and Model;*";
Acta Materialia, **58** (2010), 16; 5520 - 5531.

18. T. Daxner, F.D. Fischer, F. G. Rammerstorfer:
"*Stability of Rod-Shaped Nanoparticles Embedded in an Elastic Matrix*";
Philosophical Magazine, **90** (2010), 15; 2027 - 2048.

19. D. Holec, M.A. Hartmann, F.D. Fischer, F. G. Rammerstorfer, P.H. Mayrhofer, O. Paris:

"*Curvature-Induced Excess Surface Energy of Fullerenes: Density Functional Theory and Monte Carlo Simulations*";
Physical Review B, **81** (2010), 23; 235403.

20. M. Todt, F. G. Rammerstorfer, O. Paris, F.D. Fischer:
"*Nanomchanical Studies of the Compressive Behavior of Carbon Fibers*";
Journal of Materials Science, **45** (2010), 24; 6845 - 6848.

21. B. Hößl, H. J. Böhm, C.F. Schaber, F. G. Rammerstorfer, F.G. Barth:
"*Finite Element Modeling of Arachnid Slit Sensilla: II. Actual Lyriform Organs and the Face Deformations of the Individual Slits*";
Journal of Comparative Physiology A, **195** (2009), 9; 881 - 894.

22. P. Schuller-Götzburg, M. Pleschberger, F. G. Rammerstorfer, C. Krenkel:
"*3D-FEM and Histomorphology of Mandibular Reconstruction with the Titanium Functionally Dynamic Bridging Plate*";
International Journal of Oral and Maxillofacial Surgery, **38** (2009), 12; 1298 - 1305.

23. R.D. Bitsche, Z. Khalil, U. Noster, F. G. Rammerstorfer:
"*Simulation von Stahl-Leichtmetall Verbundguss Strukturen - Herstellung und mechanisches Verhalten*";
Druckguss, **2008** (2008), 07; 283 - 288.

24. B. Hößl, H. J. Böhm, F. G. Rammerstorfer, F.G. Barth:
"*Finite Element Modeling of Arachnid Slit Sensilla - I. The Mechanical Significance of Different Slit Arrays*";
Journal of Comparative Physiology A, **193** (2007), 4; 445 - 459.

25. H.E. Dechant, B. Hößl, F. G. Rammerstorfer, F.G. Barth:
"*Arthropod Mechanoreceptive Hairs: Modeling the Directionality of the Joint*";
Journal of Comparative Physiology A, **192** (2006), 1271 - 1278.

26. F.D. Fischer, F. G. Rammerstorfer, T. Daxner:
"*Flaring - An Analytical Approach*";
International Journal of Mechanical Sciences, **48** (2006), 11; 1246 - 1255.

27. B. Hößl, H. J. Böhm, F. G. Rammerstorfer, R. Müllan, F.G. Barth:
"*Studying Arachnid Slit Sensilla by a Fracture Mechanical Approach: Kachanov's Method and Slit Face Displacements*";
Journal of Biomechanics, **39** (2006), 10; 1761 - 1768.

28. D. H. Pahr, F. G. Rammerstorfer:
"*Buckling of Honeycomb Sandwiches: Periodic Finite Element Considerations*";
CMES - Computer Modeling in Engineering and Sciences, **12** (2006), 3; 229 - 241.

29. F. G. Rammerstorfer, D. H. Pahr, T. Daxner, W.K. Vonach:
"*Buckling in Thin Walled Micro and Meso Structures of Lightweight Materials and Material Compounds*";
Computational Mechanics, **37** (2006), 6; 470 - 478.

30. T. Daxner, M.H. Luxner, F. G. Rammerstorfer:
"*Pre-Tensioned Belts Overhanging Elastic Rollers*";
PAMM, **5** (2005), 1; 649 - 650.

31. T. Daxner, F. G. Rammerstorfer, F.D. Fischer:
"*Instability Phenomena During the Conical Expansion of Circular Cylindrical Shells*";
Computer Methods in Applied Mechanics and Engineering, **194** (2005), 2591 - 2603.

32. F.D. Fischer, N. Friedl, A. Noé, F. G. Rammerstorfer:
"*A Study of the Buckling Behaviour of Strips and Plates with Residual Stress*";
Steel Research International, **76** (2005), 4; 327 - 335.

33. M.H. Luxner, T. Daxner, F. G. Rammerstorfer:
"*Optimization of Mechanically Coupled Composite Pipes by Genetic Algorithms*";
Proceedings in Applied Mathematics and Mechanics, **4** (2004), 1; 620 - 621.

34. D. H. Pahr, F. G. Rammerstorfer:
"*A Fast Multi-Scale Analyzing Tool for the Investigation of Perforated Laminates*";
Computers and Structures, **82** (2004), 227 - 239.

35. D. H. Pahr, F. G. Rammerstorfer:
"*Experimental and Numerical Investigations of Perforated CFR Woven Fabric Laminates*";
Composites Science and Technology, **64** (2004), 9; 1403 - 1410.

36. D. H. Pahr, C. Schuecker, F. G. Rammerstorfer, H. E. Pettermann:
"*Numerical Investigations of Perforated Laminates in the Presence of Residual Ply Stresses*";
Journal of Composite Materials, **38** (2004), 22; 1977 - 1991.

37. I.C. Skrna-Jakl, F. G. Rammerstorfer:
"*Leichtbau mit Faserverbundwerkstoffen, Teil 1*";
Architektur & Bauforum - Forum, **246** (2004), 9 - 11.

38. I.C. Skrna-Jakl, F. G. Rammerstorfer:
"*Leichtbau mit Faserverbundwerkstoffen, Teil 2*";
Architektur & Bauforum - Forum, **250** (2004), 9 - 11.

39. T. Daxner, F. G. Rammerstorfer, J. Segurado, H. E. Pettermann:
"*Numerical Simulations of the Creep Deformation of MMCs in 4-Point Bending Mode*";
Journal of Engineering Materials and Technology, **125** (2003), 1; 50 - 55.

40. F.D. Fischer, F. G. Rammerstorfer, N. Friedl:
"*Residual Stress-Induced Center Wave Buckling of Rolled Strip Metal*";
Journal of Applied Mechanics - Transactions of the ASME, **70** (2003), 84 - 90.

41. V. A. Buryachenko, F. G. Rammerstorfer, A. F. Plankensteiner:
"*A Local Theory of Elastoplastic Deformation of Two-Phase Metal Matrix Random Structure Composites*";
Journal of Applied Mechanics - Transactions of the ASME, **69** (2002), 4; 489 - 496.

42. D. H. Pahr, F. G. Rammerstorfer, P. Rosenkranz, K. Humer, H. W. Weber:
"*A study of short-beam-shear and double-lap-shear specimens of glass fabric/epoxy composites*";
Composites - Part B: Engineering, **33** (2002), 125 - 132.

43. H.E. Dechant, F. G. Rammerstorfer, F.G. Barth:
"*Arthropod Touch Reception: Stimulus Transformation and Finite Element Model of Spider Tactile Hairs*";
Journal of Comparative Physiology A, **187** (2001), 4; 313 - 322.

44. F. G. Rammerstorfer, F.D. Fischer, N. Friedl:
"*Buckling of Free Infinite Strips Under Residual Stresses and Global Tension*";
Journal of Applied Mechanics - Transactions of the ASME, **68** (2001), 3; 399 - 404.

45. P. Rosenkranz, K. Humer, H. W. Weber, D. H. Pahr, F. G. Rammerstorfer:
"*Static and Dynamic Scaling Experiments on Double Lap Shear Specimens at Room Temperature and at 77 K*";
Cryogenics, **41** (2001), 1; 21 - 25.

46. W.K. Vonach, F. G. Rammerstorfer:
"*A General Approach to the Wrinkling Instability of Sandwich Plates*";
Structural Engineering and Mechanics, **12** (2001), 4; 363 - 376.

47. V. A. Buryachenko, F. G. Rammerstorfer:
"*On the thermo-elasto-statics of composites with coated randomly distributed inclusions*";
International Journal of Solids and Structures, **37** (2000), 23; 3177 - 3200.

48. C.M. Chimani, F. G. Rammerstorfer, H. J. Böhm:
"*On Curvature Effects on the Materials Description of Unidirectionally Reinforced Composite Materials*";
Computer Methods in Applied Mechanics and Engineering, **185** (2000), 2-4; 191 - 201.

49. T. Daxner, H. J. Böhm, F. G. Rammerstorfer, R. Denzer, M. Maier:
"*Simulation des elasto-plastischen Materialverhaltens von Metallschaum mit Hilfe von 2D und 3D Einheitszellen-Modellen*";
Materialwissenschaft und Werkstofftechnik, **31** (2000), 447 - 450.

50. T. Daxner, F. G. Rammerstorfer, H. J. Böhm:
"*Adaptation of Density Distributions for Optimising Aluminium Foam Structures*";
Materials Science and Technology, **16** (2000), 7-8; 935 - 939.

51. F.D. Fischer, F. G. Rammerstorfer:
"*A Note on a Simple Recategorisation of Cracks in Fatigue Analysis*";
Engineering Fracture Mechanics, **66** (2000), 1; 41 - 49.

52. F.D. Fischer, F. G. Rammerstorfer, N. Friedl, W. Wieser:
"*Buckling Phenomena Related to Rolling and Levelling of Sheet Metal*";
International Journal of Mechanical Sciences, **42** (2000), 10; 1887 - 1910.

53. N. Friedl, F. G. Rammerstorfer, F.D. Fischer:
"*Buckling of stretched strips*";
Computers and Structures, **78** (2000), 1-3; 185 - 190.

54. M. Seitzberger, F. G. Rammerstorfer, R. Gradinger, H.P. Degischer, M. Blaimschein, C. Walch:
"*Experimental Studies on the Quasi-Static Axial Crushing of Steel Columns Filled*

with Aluminium Foam";
International Journal of Solids and Structures, **37** (2000), 30; 4125 - 4147.

55. W.K. Vonach, F. G. Rammerstorfer:
"*The Effects of In-Plane Core Stiffness on the Wrinkling Behavior of Thick Sandwiches*";
Acta Mechanica, **141** (2000), 1-2; 1 - 10.

56. W.K. Vonach, F. G. Rammerstorfer:
"*Wrinkling of Thick Orthotropic Sandwich Plates under General Loading Conditions*";
Archive of Applied Mechanics, **70** (2000), 5; 338 - 348.

57. T. Antretter, A.F. Plankensteiner, F.D. Fischer, F. G. Rammerstorfer:
"*Multiscale Modeling of Highly Heterogeneous MMCs*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **79** (1999), Supplement 1; 127 - 130.

58. V. A. Buryachenko, F. G. Rammerstorfer:
"*On the Thermoelasticity of Random Structure Particulate Composites*";
Zeitschrift für Angewandte Mathematik und Physik, **50** (1999), 6; 934 - 947.

59. T. Daxner, F. G. Rammerstorfer, H. J. Böhm:
"*Mesoscopic Simulation of Inhomogeneous Metallic Foams with Respect to Energy Absorption*";
Computational Materials Science, **16** (1999), 1-4; 61 - 69.

60. H.E. Dechant, O. Friedrich, F. G. Rammerstorfer, F.G. Barth:
"*Tactile Hairs of a Spider I: Mechanics and Finite Element Analysis*";
Zoologie, **102** (1999),

61. F.D. Fischer, F. G. Rammerstorfer:
"*A Refined Analysis of Sloshing Effects in Seismically Excited Tanks*";
International Journal of Pressure Vessels and Piping, **76** (1999), 693 - 709.

62. N. Friedl, F. G. Rammerstorfer, F.D. Fischer:
"*Zum Beulen von Platten unter globalem Zug*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **79** (1999), Supplement 2; 545 - 546.

63. R. Gradinger, F. G. Rammerstorfer:
"*On the Influence of Meso-Inhomogeneities on the Crush-Worthiness of Metal Foams*";
Acta Materialia, **47** (1999), 1; 143 - 148.

64. L.J. Martikainen, F. G. Rammerstorfer:
"*Modelling the Local Failure Modes in Thin-Faced Sandwich Panels*";
Strojnícky Casopis (Journal of Mechanical Engineering), **50** (1999), 241 - 252.

65. H. Pettermann, A. F. Plankensteiner, H. J. Böhm, F. G. Rammerstorfer:
"*A Thermo-Elasto-Plastic Constitutive Law for Inhomogeneous Materials Based on an Incremental Mori-Tanaka Approach*";
Computers and Structures, **71** (1999), 2; 197 - 214.

66. F. G. Rammerstorfer, A.F. Plankensteiner, F.D. Fischer, T. Antretter:
"*Hierarchical Models for Simulating the Mechanical Behavior of Heterogeneous Materials - An Approach to High Speed Tool Steels*";
Materials Science and Engineering A, **259** (1999), 1; 73 - 84.

67. M. Seitzberger, F. G. Rammerstorfer:
"*Study of Axisymmetric Crushing Mechanisms by Sequential Limit Analysis*";
International Journal of Crashworthiness, **4** (1999), 379 - 393.

68. V.V. Silberschmidt, F. G. Rammerstorfer, E. Werner, F.D. Fischer:
"*On Material Immanent Ratchetting of Two-Phase Materials under Purely Thermal Loading*";
Archive of Applied Mechanics, **69** (1999), 9-10; 727 - 750.

69. V.A. Buryachenko, F. G. Rammerstorfer:
"*Thermoelastic Stress Fluctuations in Random-Structure Coated Particulate Composites*";
European Journal of Mechanics - A/Solids, **17** (1998), 763 - 788.

70. C.M. Chimani, H. J. Böhm, F. G. Rammerstorfer:
"*On Interface Edge Singularities in Layered Composites*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **78** (1998), Supplement 1; 49 - 52.

71. A. F. Plankensteiner, H. J. Böhm, F. G. Rammerstorfer, H. E. Pettermann:
"*Multiscale Modeling of Highly Heterogeneous Particulate MMCs*";
Journal de Physique, **8** (1998), 301 - 308.

72. E. Werner, H. J. Böhm, W. Prantl, F. G. Rammerstorfer:
"*Plasticity and Damage of a Fiber Reinforced Aluminum Alloy: Experiments and Micromechanical Modeling*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **78** (1998), Supplement 1; 77 - 80.

73. V. A. Buryachenko, F. G. Rammerstorfer:
"*Elastic Stress Fluctuations in Random Structure Particulate Composites*";
European Journal of Mechanics - A/Solids, **16** (1997), 79 - 102.

74. V.A. Buryachenko, F. G. Rammerstorfer, A.F. Plankensteiner:
"*A Local Theory of Elastoplastic Deformations of Random Structure Composites*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **77** (1997), Supplement 1; 61 - 62.

75. C.M. Chimani, H. J. Böhm, F. G. Rammerstorfer:
"*On Stress Singularities at Free Edges of Bimaterial Junctions - A Micromechanical Study*";
Scripta Materialia, **36** (1997), 8; 943 - 947.

76. M.Y. Nyashin, V.S. Pechenov, F. G. Rammerstorfer:
"*Determination of Optimal Orthodontic Forces*";
Russian Journal of Biomechanics, **1-2** (1997), 84 - 96.

77. H. E. Pettermann, H. J. Böhm, F. G. Rammerstorfer:
"*Some Direction Dependent Properties of Matrix-Inclusion Type Composites with Given Reinforcement Orientation Distributions*";
Composites - Part B: Engineering, **28B** (1997), 3; 253 - 265.

78. H. E. Pettermann, T.J. Reiter, F. G. Rammerstorfer:
"*Computational Simulation of Internal Bone Remodeling*";
Archives of Computational Methods in Engineering, **4** (1997), 295 - 323.

79. A.F. Plankensteiner, H. J. Böhm, F. G. Rammerstorfer, V.A. Buryachenko, G. Hackl:
"*Modeling of Layer-Structured High Speed Steel*";
Acta Materialia, **45** (1997), 5; 1875 - 1887.

80. M. Seitzberger, F. G. Rammerstorfer, H.P. Degischer, R. Gradinger:
"*Crushing of Axially Compressed Steel Tubes Filled with Aluminium Foam*";
Acta Mechanica, **125** (1997), 1-4; 93 - 105.

81. M. Seitzberger, F. G. Rammerstorfer, C. Reichhold:
"*Lokale Effekte in Linientragwerken mit geringer Biegesteifigkeit*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **77** (1997), Supplement 1; 311 - 312.

82. M.A. Stiftinger, F. G. Rammerstorfer:
"*On Face Layer Wrinkling in Sandwich Shells - Theoretical and Experimental Investigations*";
Thin-Walled Structures, **29** (1997), 113 - 127.

83. V.A. Buryachenko, F. G. Rammerstorfer:
"*Thinly Coated Inclusion with Stress Free Strains in an Elastic Medium*";
Mechanics Research Communications, **23** (1996), 505 - 509.

84. L.V. Nikitin, F.D. Fischer, E.R. Oberaigner, F. G. Rammerstorfer, M. Seitzberger, R.I. Mogilevsky:
"*On the Frictional Behaviour of Thermally Loaded Beams Resting on a Plane*";
International Journal of Mechanical Sciences, **38** (1996), 11; 1219 - 1229.

85. A.F. Plankensteiner, H. J. Böhm, F. G. Rammerstorfer, V.A. Buryachenko:
"*Hierarchical Modeling of the Mechanical Behavior of High Speed Steels as Layer-Structured Particulate MMCs*";
Journal de Physique IV, **6** (1996), C6; 395 - 402.

86. I.C. Skrna-Jakl, M.A. Stiftinger, F. G. Rammerstorfer:
"*Numerical Investigations of an Imperfect Stringer-Stiffened Composite Wing Torsion Box - An Analysis Concept*";
Composites - Part B: Engineering, **27** (1996), 1; 59 - 69.

87. X. Wang, F. G. Rammerstorfer:
"*Determination of Effective Breadth and Effective Width of Stiffened Plates by Finite Strip Analyses*";
Thin-Walled Structures, **26** (1996), 4; 261 - 286.

88. F.D. Fischer, O. Kolednik, G.X. Shan, F. G. Rammerstorfer:
"*A Note on Calibration of Ductile Failure Damage Indicators*";
International Journal of Fracture, **73** (1995), 4; 354 - 375.

89. W. Krach, T.J. Reiter, F. G. Rammerstorfer:
"*Computerunterstützte Vorhersage des Knochenumbaus am Beispiel von Knieendoprothesen*";
Biomedizinische Technik, **40** (1995), E2; 78 - 80.

90. H. E. Pettermann, T.J. Reiter, F. G. Rammerstorfer:
"*Ein Simulationsalgorithmus der natürlichen Anpassung des orthotropen Knochenmaterials*";
Biomedizinische Technik, **40** (1995), E2; 127 - 129.

91. M. Pleschberger, F. G. Rammerstorfer:
"*Spannungs- und Deformationsanalyse des zahnlosen menschlichen Unterkiefers mit Hilfe der Methode der finiten Elemente*";
Biomedizinische Technik, **40** (1995), E2; 124 - 126.

92. N.L. Praxmarer, F. G. Rammerstorfer, K. Irsigler, T. Kästenbauer:
"*Eine Meßmethode zur Erfassung von Fußsteifigkeiten und ihre Anwendungen*";
Biomedizinische Technik, **40** (1995), E2; 90 - 92.

93. M.A. Stiftinger, I.C. Skrna-Jakl, F. G. Rammerstorfer:
"*Buckling and Postbuckling Investigations of Imperfect Curved Composite Shells, Part B: Computational Investigations*";
Thin-Walled Structures, **23** (1995), 339 - 350.

94. H. J. Böhm, F.D. Fischer, F. G. Rammerstorfer, T. Siegmund:
"*Microscale Arrangement Effects on the Thermomechanical Behavior of Advanced Two-Phase Composites*";
Journal of Engineering Materials and Technology, **116** (1994), 3; 268 - 273.

95. F.D. Fischer, F. G. Rammerstorfer:
"*Mode-I Crack Projection Procedure Using the Strain Energy Density Criterion*";
Theoretical and Applied Fracture Mechanics, **20** (1994), 67 - 74.

96. F. G. Rammerstorfer, A. Starlinger, K. Dorninger:
"*Combined Micro- and Macromechanical Considerations of Layered Composite Shells*";
International Journal for Numerical Methods in Engineering, **37** (1994), 15; 2609 - 2629.

97. T.J. Reiter, H. J. Böhm, W. Krach, M. Pleschberger, F. G. Rammerstorfer:
"*Some Applications of the Finite Element Method in Biomechanical Stress Analysis*";
International Journal of Computer Applications in Technology, **7** (1994), 3-6; 233 - 241.

98. X. Wang, F. G. Rammerstorfer:
"*Coupling Effects in Linear Stress and Buckling Analysis by the Finite Strip Method*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **74** (1994), 6; 712 - 714.

99. E. Weissenbek, H. J. Böhm, F. G. Rammerstorfer:
"*Micromechanical Investigations of Arrangement Effects in Particle Reinforced Metal Matrix Composites*";
Computational Materials Science, **3** (1994), 2; 263 - 278.

100. C.A. Abel, E. Weissenbek, F. G. Rammerstorfer:
"*Influence of Damage on the Mechanical Behaviour of Short Fiber Reinforced MMCs with Strong and Weak Interfaces*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **73** (1993), 423 - 426.

101. H. J. Böhm, F. G. Rammerstorfer, E. Weissenbek:
"*Some Simple Models for Micromechanical Investigations of Fiber Arrangement Effects in MMCs*";
Computational Materials Science, **1** (1993), 3; 177 - 194.

102. I.C. Skrna-Jakl, F. G. Rammerstorfer:
"*Numerical Investigations of Free Edge Effects in Integrally Stiffened Layered Composite Panels*";
Computers and Structures, **25** (1993), 129 - 137.

103. E. Weissenbek, F. G. Rammerstorfer:
"*Influence of the Fiber Arrangement on the Mechanical and Thermo-Mechanical Behavior of Short-Fiber Reinforced MMCs*";
Acta Metallurgica et Materialia, **41** (1993), 10; 2833 - 2843.

104. G. Feigl, F.D. Fischer, K.L. Maurer, F. G. Rammerstorfer:
"*Bruchmechanik-Empfehlungen der Arbeitsgruppe `Bruchmechanik des Österr.Stahlbauverbandes (ÖSTV)*";
ÖIAZ, **137** (1992), 6; 257 - 258.

105. G. Feigl, F.D. Fischer, K.L. Maurer, F. G. Rammerstorfer:
"*Bruchmechanik-Empfehlungen der Arbeitsgruppe `Bruchmechanik des Österr.Stahlbauverbandes (ÖSTV)*";
ÖIAZ, **137** (1992), 6; 257 - 258.

106. F. G. Rammerstorfer, F.D. Fischer:
"*A Method for the Experimental Determination of Residual Stresses in Axisymmetric Composite Cylinders*";
Journal of Engineering Materials and Technology, **114** (1992), 90 - 96.

107. F. G. Rammerstorfer, F.D. Fischer, H. J. Böhm, W. Daves:
"*Computational Micromechanics of Multiphase Materials*";
Computers and Structures, **44** (1992), 1-2; 453 - 458.

108. F. G. Rammerstorfer, K. Scharf, K.L. Maurer, F.D. Fischer:
"*Stress Analysis of the Archduke Carl Monument in Vienna*";
International Journal of Computer Applications in Technology, **5** (1992), 100 - 108.

109. H. J. Böhm, F. G. Rammerstorfer:
"*Micromechanical Investigation of the Processing and Loading of Fiber Reinforced Metal Matrix Composites*";
Materials Science and Engineering A, **A135** (1991), 185 - 188.

110. K.L. Maurer, F. G. Rammerstorfer, F.D. Fischer:
"*Das Erzherzog Karl Denkmal am Heldenplatz in Wien - Untersuchungen zum Gefügeaufbau und zur Standfestigkeit*";
Praktische Metallographie - Practical Metallography, **22** (1991), 33 - 52.

111. T.J. Reiter, F. G. Rammerstorfer, H. J. Böhm:
"*Zur numerischen Prognose spannungsbedingter Knochenumbildungen*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **71** (1991), 693 - 697.

112. K. Scharf, F. G. Rammerstorfer:
"*Probleme bei der Anwendung der Antwortspektrenmethode für Flüssigkeit-Festkörper-Interaktionsprobleme des Erdbebeningenieurwesens*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **71** (1991), 160 - 164.

113. A. Starlinger, F. G. Rammerstorfer:
"*Berücksichtigung von lokalem kurzwelligem Deckschichtbeulen in speziellen Finiten Sandwich-Schalenelementen*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **71** (1991), 619 - 623.

114. A.J. Svobodnik, H. J. Böhm, F. G. Rammerstorfer:
"*A 3/D Finite Element Approach for Metal Matrix Composites Based on Micromechanical Models*";
International Journal of Plasticity, **7** (1991), 8; 781 - 802.

115. H. J. Böhm, F. G. Rammerstorfer, R. Schmid, A. Starlinger, R. Slavicek:
"*Numerical Modelling and Nonlinear Analysis of the Behaviour of Maxillary Partial Denture*";
Engineering Computations, **7** (1990), 4; 338 - 343.

116. K. Dorninger, F. G. Rammerstorfer:
"*A Layered Composite Shell Element for Elastic and Thermoelastic Stress and Stability Analysis at Large Deformations*";
International Journal for Numerical Methods in Engineering, **30** (1990), 4; 833 - 858.

117. F.D. Fischer, E. Hinteregger, F. G. Rammerstorfer:
"*Numerische Simulation einer experimentellen Spannungsermittlung nach dem Bohrlochverfahren und Vergleich mit den rechnerisch ursprünglich vorhandenen Spannungen*";
Materialprüfung, **32** (1990), 6; 181 - 185.

118. F.D. Fischer, F. G. Rammerstorfer, F.J. Bauer:
"*Fatigue and Fracture of High-Alloyed Steel Specimens Subjected to Purely Thermal Cycling*";
Metallurgical Transaction A, **21A** (1990), 935 - 948.

119. E. Hinteregger, F.D. Fischer, F. G. Rammerstorfer:
"*Berechnung der Längseigenspannungen langer Schienen während des Abkühlens*";
Berg- und Hüttenmännische Monatshefte (BHM), **135** (1990), 437 - 442.

120. F. G. Rammerstorfer, K. Scharf, F.D. Fischer:
"*Storage Tanks under Earthquake Loading*";
Applied Mechanics Reviews, **43** (1990), 11; 216 - 282.

121. R. Seeber, F.D. Fischer, F. G. Rammerstorfer:
"*Analysis of a Three-Dimensional Tank-Liquid-Soil Interaction Problem*";
Journal of Pressure Vessel Technology, **112** (1990), 28 - 33.

122. F.D. Fischer, F. G. Rammerstorfer, W. Schreiner:
"*The Extensible Uplifting Strip*";
Acta Mechanica, **80** (1989), 3-4; 227 - 257.

123. F. G. Rammerstorfer, W. Auli, K. Scharf:
"*FE-Formulierungen für Parameterresonanzen bei geometrisch nichtlinearem Bauteilverhalten*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **69** (1989), 5; 422 - 425.

124. F. G. Rammerstorfer, K. Dorninger, H. J. Böhm, F. Zerobin:
"*Analysis of Frictional Contact Problems in High Field Superconducting Magnets for Hadron Collider*";
Computers and Structures, **32** (1989), 3/4; 787 - 795.

125. F. G. Rammerstorfer, K. Dorninger, J. Ployer:
"*Nonlinear Stability Problems in Connection with Buried Pipelines for Hot Water Supply*";
PVP Pressure Vessels and Piping, **169** (1989), 57 - 62.

126. F. G. Rammerstorfer, K. Scharf, F.D. Fischer:
"*On Problems in the Use of Earthquake Response Spectrum Methods for Fluid-Structure-Soil Interaction*";
PVP Pressure Vessels and Piping, **157** (1989), 61 - 68.

127. A. Starlinger, F. G. Rammerstorfer, W. Scheidl:
"*Stabilität von Generatorkuppeln*";
ELIN-Zeitschrift, **41** (1989), 14 - 21.

128. F.D. Fischer, F. G. Rammerstorfer:
"*Comments to the paper 'Seismic Analysis of Liquid Storage Tanks' by G.S.Leon and E.A.M.Kausel*";
Journal of Structural Engineering, **113** (1988), 2324 - 2326.

129. F. G. Rammerstorfer, W. Billinger, F.D. Fischer:
"*Beulversuche an dünnwandigen, flüssigkeitsgefüllten Schalen*";
ÖIAZ, **8** (1988), 430 - 431.

130. F. G. Rammerstorfer, W. Billinger, F.D. Fischer:
"*Stabilität flüssigkeitsgefüllter unverankerter Zylinderschalen auf schräger Unterlage*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **68** (1988), 240 - 243.

131. F. G. Rammerstorfer, K. Scharf, F.D. Fischer, R. Seeber:
"*Collapse of Earthquake Excited Tanks*";
Res Mechanica, **25** (1988), 129 - 143.

132. A. Starlinger, F. G. Rammerstorfer, W. Auli:
"*Beulen und Nachbeulverhalten von dünnen verrippten und unverrippten Kugelschalen unter Außendruck*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **68** (1988), 4; 257 - 260.

133. F. Bauer, H. J. Böhm, F.D. Fischer, F. G. Rammerstorfer:
"*Finite Element Analysis of Drastic Shape Changes of Cylinders Due to Thermal Cycling*";
Computers and Structures, **26** (1987), 263 - 274.

134. F. G. Rammerstorfer, K. Scharf, H. J. Böhm:
"*Eine kritische Betrachtung der Schubfeldtheorie*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **67** (1987), 133 - 136.

135. F.D. Fischer, F. G. Rammerstorfer, W. Auli:
"*Erdbebenbeanspruchte Tankbauwerke - gelöste und ungelöste Probleme*";
ÖIAZ, **131** (1986), 140 - 141.

136. F. Nahler, F.D. Fischer, F. G. Rammerstorfer:
"*Erdbebensichere Bemessung zylindrischer Behälter*";
ÖIAZ, **131** (1986), 367 - 371.

137. F. G. Rammerstorfer, W. Auli, F.D. Fischer:
"*Abheben und Beulen von zylindrischen Behältern bei Windbelastung*";
ÖIAZ, **131** (1986), 137 - 139.

138. F. G. Rammerstorfer, F.D. Fischer, R. Flesch:
"*Simulation von Erdbebenbeanspruchungen flüssigkeitsgefüllter Lagertanks - Modellversuche*";
ÖIAZ, **131** (1986), 414 - 418.

139. W. Mitter, F. G. Rammerstorfer, O. Gründler, G. Wiedner:
"*Discrepancies Between Calculated and Measured Residual Stresses in a Quenched Pure Iron Cylinder*";
Materials Science and Technology, **1** (1985), 793 - 798.

140. F. G. Rammerstorfer, W. Auli, F.D. Fischer:
"*Uplifting and Stability of Wind-Loaded Vertical Cylindrical Shells*";
Engineering Computations, **2** (1985), 3; 170 - 180.

141. F. G. Rammerstorfer, F. Wiesinger, E. Tomandl:
"*Weinflaschen führen auf Stabilitätsprobleme*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **65** (1985), 4; 93 - 96.

142. F. G. Rammerstorfer, E.T. Till, H. Bramerdorfer, H. Schubert, K. Schwaha:
"*Model Investigations on Horizontal Continuous Casting*";
Fachberichte Hüttenpraxis Metallverarbeitung, **22** (1984), 834 - 839.

143. F.D. Fischer, F. G. Rammerstorfer:
"*Berechnung von thermomechanischen Vorgängen bei der Wärmebehandlung von Stahlkörpern*";
Schweizer Ingenieur und Architekt, **18** (1983), 479 - 484.

144. F. G. Rammerstorfer:
"*On the Modeling of Cracks by Finite Elements*";
Scandinavian Journal of Metallury, **12** (1983), 293 - 298.

145. E.T. Till, F. G. Rammerstorfer:
"*Nonlinear Finite Element Analysis of an Autofrettage Process*";
Computers and Structures, **7** (1983), 5-6; 857 - 864.

146. B. Brendel, F.D. Fischer, E. Ramm, F. G. Rammerstorfer:
"*Linear and Nonlinear Stability Analysis of Thin Cylindrical Shells Under Wind Loads*";
Journal of Structural Mechanics, **9** (1981), 1; 91 - 113.

147. F. G. Rammerstorfer, F. Fischer, W. Mitter, K.J. Bathe, M.D. Snyder:
"*On Thermo-Elastic-Plastic Analysis of Heat-Treatment Processes Including Creep and Phase Change*";
Computers and Structures, **13** (1981), 771 - 779.

148. F. G. Rammerstorfer, F.D. Fischer, Ch. Jaquemar, H. Kreulitsch, A. Scheinecker, J. Stulik, A. Niedermayr:
"*Die thermischen und thermo-visko-elasto-plastischen Vorgänge beim Stranggießen von Stahl*";
Archiv f.d. Eisenhüttenwesen, **51** (1980), 2; 67 - 72.

149. F. G. Rammerstorfer, F.D. Fischer, Ch. Jaquemar, H. Kreulitsch, A. Scheinecker, J. Stulik, A. Niedermayr:
"*Verfahren zur Berechnung der thermischen und thermo-visko-elasto-plastischen Vorgänge beim Stranggießen von Stahl*";
Archiv f.d. Eisenhüttenwesen, **51** (1980), 2; 61 - 66.

150. R. Grossmayer, F. G. Rammerstorfer, F. Ziegler:
"*Untersuchung des Verhaltens von Bauwerken bei Erdbebenerregung - Modellversuche*";
Österreichische Ingenieur-Zeitschrift (ÖIZ), **22** (1979), 1; 15 - 22.

151. F. G. Rammerstorfer, H. Steiner, A. Grossmayer, F. Ziegler:
"*Plötzliche Veränderung von Randbedingungen eines Biegebal¬kens*";
Acta Mechanica, **33** (1979), 147 - 162.

152. F. G. Rammerstorfer:
"*Increase of the first natural frequency and buckling load of plates by optimal fields of initial stresses*";
Acta Mechanica, **27** (1977), 217 - 238.

153. F. G. Rammerstorfer:
"*Optimale Eigenspannungszustände in schwingenden, vorgespannten Kreisplatten*";
ZAMM - Zeitschrift für Angewandte Mathematik und Mechanik, **57** (1977), 84 - 87.

154. F. G. Rammerstorfer, R. Beer:
"*Die Erhöhung der Grundfrequenz und der Beullast von dünnen Kreisplatten durch geeignete plastische Verformung*";
Forschung im Ingenieurwesen, **42** (1976), 5; 168 - 172.

155. F. G. Rammerstorfer:
"*Comment on: Buckling of rotating rods and plates*";
International Journal of Mechanical Sciences, **16** (1974), 515 - 517.

156. F. G. Rammerstorfer:
"*On the optimal distribution of the Young's modulus of a vibrating prestressed beam*";
Journal of Sound and Vibration, **37** (1974), 1; 140 - 145.

157. F. G. Rammerstorfer, F. Hastik:
"*Der dynamische E-Modul von Schleifkörpern*";
Werkstatt und Betrieb, **107** (1974), 9; 527 - 533.

Contributions to Books

1. M.A. Hartmann, M. Todt, F. G. Rammerstorfer:
"*Atomistic and Continuum Modelling of Graphene and Graphene-Derived Carbon Nanostructures*";
in: "*Structure and Multiscale Mechanics of Carbon Nanomaterials*", O. Paris (ed.); CISM-Springer Book Series, Springer-Verlag, Wien, 2016, ISBN: 978-3-7091-1885-6, 135 - 179.

2. T. Flatscher, T. Daxner, D. H. Pahr, F. G. Rammerstorfer:
"*Optimization of Corrugated Paperboard under Local and Global Buckling Constraints*";
in: "*Multiscale Methods in Computational Mechanics*", R. de Borst, E. Ramm (ed.); Springer-Verlag, Dordrecht, 2011, ISBN: 978-90-481-9808-5, 329 - 346.

3. F. G. Rammerstorfer, T. Daxner:
"*Berechnungs- und Design-Konzepte für den Leichtbau*";
in: "*Leichtbau*", H.P. Degischer, S. Lüftl (ed.); Wiley-VCH, Weinheim, 2009, ISBN: 978-3-527-32372-2, 14 - 49.

4. T. Daxner, D. H. Pahr, F. G. Rammerstorfer:
"*Micro- and Meso-Instabilities in Structured Materials and Sandwich Structures*";
in: "*Buckling and Postbuckling Structures: Experimental, Analytical and Numerical Studies*", B. G. Falzon, F. M. H. Aliabadi (ed.); Imperial College Press, London, 2008, ISBN: 1860947948, 453 - 495.

5. F. G. Rammerstorfer, B. Hößl, H.E. Dechant, H. J. Böhm, F.G. Barth:
"*Computational Biomechanics of Sensory Organs in Spiders*";
in: "*Trends in Engineering Computational Technology*", B.H.V. Topping, M.

Papadrakakis (ed.); Saxe-Coburg Publications, 2008, ISBN: 978-1-874672-36-4, 321 - 334.

6. F. G. Rammerstorfer, F.D. Fischer, N. Friedl, T. Daxner:
"*Instabilities Resulting from the Production Process of Plates and Shells*";
in: "*Innovation in Computational Strcutures Technology*", B.H.V. Topping, G. Montero, R. Montenegro (ed.); Saxe-Coburg Publications, Stirlingshire, 2006, ISBN: 1-874672-27-x, 205 - 223.

7. T. Daxner, H. J. Böhm, F. G. Rammerstorfer, M. Seitzberger:
"*Modeling of Cellular Materials*";
in: "*Handbook of Cellular Metals*", H.P. Degischer, B. Kriszt (ed.); Wiley-VCH, Weinheim, 2002, ISBN: 3-527-30339-1, 245 - 280.

8. F. G. Rammerstorfer, T. Daxner, H. J. Böhm:
"*Modeling and Simulation - Introduction*";
in: "*Handbook of Cellular Metals*", H.P. Degischer, B. Kriszt (ed.); Wiley-VCH, Weinheim, 2002, ISBN 3-527-39339-1, 243 - 245.

9. F. G. Rammerstorfer, H. J. Böhm:
"*Finite Elements in Micromechanics of Composite and Foam Materials*";
in: "*Computational Mechanics for the Twenty-First Century*", B.H.V. Topping (ed.); Saxe-Coburg Publications, Edinburgh, 2000, ISBN: 1-874672-13-x, 145 - 164.

10. N. Friedl, F. G. Rammerstorfer, F.D. Fischer:
"*On the Buckling of Plates Under Global Tension*";
in: "*Advances in Finite Element Procedures and Technigues*", B.H.V. Topping (ed.); Civil Comp Press, Edinburgh, 1998, 73 - 77.

11. E. Sim, T.J. Reiter, W. Freimüsser, F. G. Rammerstorfer:
"*Untersuchungen zu den Spannungsverteilungen im kranialen Femur nach Stabilisierung einer pertrochantären Modellfraktur unter Verwendung der Finite-Elemente-Methode: Ein Vergleich zweier Implantate*";
in: "*Der Gamma-Nagel - Standortbestimmung nach den ersten zehn Jahren*", R.H. Gahr, K.-S. Leung, ;.P. Rosenwasser, W. Roth (ed.); Einhorn-Presse Verlag GmbH, Reinbek, Reinbek, 1998, 293 - 300.

12. F. G. Rammerstorfer, H. J. Böhm:
"*Micromechanics for Macroscopic Material Description of FRPs*";
in: "*Engineering Mechanics of Fibre Reinforced Polymers and Composite Structures*", J. Hult, F. G. Rammerstorfer (ed.); issued by: CISM Courses and Lectures No. 348; Springer-Verlag, Wien New York, 1994, 9 - 49.

13. F. G. Rammerstorfer, K. Dorninger, A. Starlinger, I.C. Skrna-Jakl:
"*Computational Methods in Composite Analysis and Design*";
in: "*Engineering Mechanics of Fibre Reinforced Polymers and Composite Structures*", J. Hult, F. G. Rammerstorfer (ed.); issued by: CISM Courses and Lectures No. 348; Springer-Verlag, Wien New york, 1994, ISBN: 3-211-82652-1, 209 - 231.

14. F. G. Rammerstorfer, A. Starlinger:
"*Lamination Theory and Failure Mechanisms in Composite Shells*";
in: "*Engineering Mechanics of Fibre Rein-forced Polymers and Composite*

Structures", J. Hult, F. G. Rammerstorfer (ed.); issued by: CISM Courses and Lectures No. 348; Springer-Verlag, Wien New York, 1994, ISBN: 3-211-82652-1, 73 - 110.

15. F. G. Rammerstorfer, K. Dorninger, A. Starlinger:
"*Composite and Sandwich Shells*";
in: "*Nonlinear Analysis of Shells by Finite Elements*", F. G. Rammerstorfer (ed.); issued by: CISM Courses and Lectures No.328; Springer-Verlag, Wien New York, 1992, ISBN: 3-211-82416-2, 131 - 194.

16. F.D. Fischer, E. Hinteregger, F. G. Rammerstorfer:
"*A Computational Study of the Residual Stress Distribution in Thermally Loaded Beams of Arbitrary Cross-Section on Frictional Support*";
in: "*Nonlinear Computational Mechanics - State of the Art*", P. Wriggers, W. Wagner (ed.); Springer-Verlag, Berlin, 1991, 737 - 780.

17. F.D. Fischer, F. G. Rammerstorfer, K. Scharf:
"*Earthquake Resistant Design of Anchored and Unanchored Liquid Storage Tanks Under Three-Dimensional Earthquake Excitation*";
in: "*Structural Dynamics - Recent Advances*", G.I. Schueller (ed.); Springer-Verlag, Wien, 1991, 317 - 371.

18. F. G. Rammerstorfer, K. Dorninger, A. Starlinger:
"*Nonlinear Finite Element Analysis of Composite and Sandwich Shell Structures*";
in: "*Nonlinear Computational Mechanics - State of the Art*", P. Wriggers, W. Wagner (ed.); Springer-Verlag, Berlin, 1991, 332 - 359.

19. T.J. Reiter, F. G. Rammerstorfer, H. J. Böhm:
"*Numerical Simulation of Internal and Surface Bone Remodelling*";
in: "*Engineering Optimization in Design Processes*", H.A. Eschenauer, C. Matthek, N. Olhoff (ed.); issued by: Lecture Notes in Engineering, 63; Springer-Verlag, Berlin, 1991, 333 - 340.

20. F. Ziegler, F. G. Rammerstorfer:
"*Thermoelastic Stability*";
in: "*Thermal Stresses III*", R.B. Hetnarski (ed.); Elsevier Science Publishers B.V., Amsterdam, 1989, 107 - 189.

21. W. Auli, F. G. Rammerstorfer:
"*On the Dynamic Instability of Shell Structures - Criteria and Algorithms*";
in: "*Finite Element Methods for Plate and Shell Structures*", T.J.R. Hughes, E. Hinton (ed.); Pineridge Press, Swansea U.K., 1986, 58 - 82.

22. F. G. Rammerstorfer, F.D. Fischer, E.T. Till, W. Mitter, O. Gründler:
"*The Influence of Creep and Transformation Plasticity in the Analysis of Stresses Due to Heat-Treatment*";
in: "*Numerical Methods in Heat Transfer*", R.W. Lewis, K. Morgan, B.A. Schrefler (ed.); J.Wiley & Sons, Chichester, 1983, 447 - 459.

23. F. G. Rammerstorfer:
"*Jump Phenomena Associated with the Stability of Geometrically Nonlinear Structures*";
in: "*Recent Advances in Nonlinear Computational Mechanics*", E. Hinton, D.R.J.

Owen, C. Taylor (ed.); Pineridge Press, Swansea U.K., 1982, ISBN: 0906674190, 119 - 153.

Books and Book Editorships

1. J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.):
"*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*";
Vienna University of Technology, Wien, 2012, ISBN: 978-3-9502481-9-7.

2. E. Guazzelli, B. Schrefler, F. Pfeiffer, F.G. Rammerstorfer, P. Serafini (Serial-editors)
Springer-book Book Series “CISM Courses and Lectures”, Springer-Verlag

3. H.A. Mang, F. G. Rammerstorfer, J. Eberhardsteiner (ed.):
"*Book of Abstracts of the Fifth World Congress on Computational Mechanics (WCCM V)*";
TU Wien, Wien, Austria, 2002, ISBN: 3-9501554-1-4; 1490 pages.

4. H.A. Mang, F. G. Rammerstorfer, J. Eberhardsteiner (ed.):
"*Proceedings of the Fifth World Congress on Computational Mechanics (WCCM V)*";
TU Wien, Wien, Austria, 2002, ISBN: 3-9501554-0-6.

5. H.A. Mang, F. G. Rammerstorfer (ed.):
"*Proceedings of the IUTAM/IACM Symposium on Discretization Methods in Structural Mechanics II*";
Kluwer Academic Publishers, Dordrecht, 1999, 371 pages.

6. J. Hult, F. G. Rammerstorfer (ed.):
"*Engineering Mechanics of Fibre Reinforced Polymers and Composite Structures*";
CISM-Springer Book Series, Springer-Verlag, Wien, 1994, ISBN: 3-211-82652-1; 314 pages.

7. F. G. Rammerstorfer (ed.):
"*Nonlinear Analysis of Shells by Finite Elements*";
CISM-Springer Book Series, Springer-Verlag, Wien, 1992, ISBN: 3-211-82416-2; 283 pages.

8. F. G. Rammerstorfer:
"*Repetitorium Leichtbau*";
R. Oldenbourg Verlag, Wien, 1992, ISBN: 3-7029-0345-3; 168 pages.

Contributions to Proceedings (full papers)

1. F. Toth, M. Kaltenbacher, F. G. Rammerstorfer:
"*Modelling of Air Chamber Supported Floating Platforms - Coupling Free Surface Flow, Compressible Air, and Flexible Structures*";

in: "*Coupled Problems in Science and Engineering*"(Proc. VI Int. Conf. on Coupled Problems in Science and Engineerin, Venedig 2015-05-18/20), B.A. Schrefler, E. Oñate, M. Papadrakakis (ed.); CIMNE, Barcelona, Spanien (2015), ISBN: 978-84-943928-3-2; 346 - 357.

2. M. Todt, F. G. Rammerstorfer, M.A. Hartmann:
"*Continuum Shell Models for Closed Cage Carbon Nanoparticles*";
in: "*Shell Structures: Theory and Applications*", SSTA2013, Gdansk; 2013-10-16/18;, W. Pietraszkiewicz, J. Górski (ed.); CRC Press/Balkema, Leiden (2013), ISBN: 978-1-138-00082-7; 149 - 152.

3. F. Toth, F. G. Rammerstorfer, M.J. Cordill, F.D. Fischer:
"*Modelling of Thin Film Buckling in Compound Specimens under Uniaxial Stretching*";
in: "*Shell strucutres: Theory and Applications (Vol.3)*", W. Pietraszkiewicz, J. Górski (ed.); SSTA2013, Gdansk; 2013-10-16/18, CRC Press/Balkema, Leiden (2013), ISBN: 978-1-138-00082-7; 247 - 250.

4. M. Todt, M.A. Hartmann, O. Paris, F.D. Fischer, F. G. Rammerstorfer:
"*Computational Treatment of the Stability of Multi-Layered Carbon Nanoparticles*";
in: "*Proceedings of the 7th International Conference on Computational Mechanics of Spatial Structures*" (IASS-IACM 2012, Sarajevo; 2012-04-02/4), A. Ibrahimbegovic, S Dolarevic, M. Hrasnica, M. Madzarevic, M. Zlatar (ed.); Faculty of Civil Engineering Sarajevo, (2012), ISBN: 978-9-958-63830-5; 307 - 309.

5. M. Todt, F. G. Rammerstorfer, M.A. Hartmann, O. Paris, F.D. Fischer:
"*Shell-Models for Multi-Layer Carbon Nano-Particles;*";
in: "*Shell-Like Structures*", Proc. EC 527 Shell-Like Structures - Non-Classical Theories and Applications, Wittenberg; 2011-08-22/26; H. Altenbach, V.A. Eremeyev (ed.); Springer-Verlag, Berlin (2011), ISBN: 978-3-642-21854-5; 585 - 602.

6. C. Bilik, F. G. Rammerstorfer:
"*Instabilitäten während des Walzens von Profilen und im Einsatz von gewalzten Profilen*";
in: "*XXX. Verformungskundliches Kolloquium*", Planneralm; 2011-02-26/03-01; B. Buchmayr (ed.); Montanuniversität Leoben, (2011), ISBN: 978-3-902078-15-5; 93 - 96.

7. F. G. Rammerstorfer:
"*Status and Trends in Lightweight Materials and Structures*";
: 90th Anniversary Conference "Vision of Engineering", Zagreb ; 2009-11-09; in: "*Visions of Engineering*", Izvor Grubisić (ed.); University of Zagreb, Zagreb (2009), ISBN: 978-953-6313-75-4; 21 - 32.

8. C. Bilik, F. G. Rammerstorfer, T. Daxner, G. Figala, B. Buchmayr:
"*Improving the Dynamic and Stability Behaviour of Plates by Laser Treatment*";
: 6th International Congress of the Croatian Society of Mechanics, Dubrovnik; 2009-09-30 - 2009-10-02; in: "*Proceedings of the 6th ICCSM*", I. Smojver, J. Soric (ed.); (2009), ISBN: 978-953-7539-11-5; Paper ID 104, 8 pages.

9. F. G. Rammerstorfer, F.D. Fischer, T. Daxner, N. Friedl:
"*On Instabilities Appearing during the Production of Plates and Shells*";
in: "*Proceedings of the 7th EUROMECH Solid Mechanics Conference*", J.A.C. Ambrosio, M.P.T. Silva (ed.); Associção Portuguesa de Mecânica Teórica, Aplicada e Computacional, Lissabon, 2009, 7 - 12.

10. R.D. Bitsche, F. G. Rammerstorfer:
"*Stress Singularities at Interfaces in Structures - Design Charts*";
EASEC-11: 11th East Asia-Pacific Conference on Structural Engineering and Construction, Taipei ; 2008-11-19 - 2008-11-21; in: "*Proceedings of the 11th East Asia-Pacific Conference on Structural Engineering and Construction*", Y.B. Yang, L.J. Leu, C.S. Chen, P.C. Su (ed.); National Taiwan University, (2008), ISBN: 978-986-80222-4-9; Paper ID B08_01, 6 pages.

11. F. G. Rammerstorfer, R.D. Bitsche, T. Daxner, F.D. Fischer, T. Flatscher, D. H. Pahr:
"*Computational Stability Analysis - Bridging the Length Scales*";
: Taiwan-Austria Joint Workshop on Computational Mechanics of Materials and Structures, Taipei ; 2008-11-15 - 2008-11-17; in: "*Proceedings of the Taiwan-Austria Joint Workshop on Computational Mechanics of Materials and Structures*", Y.B. Yang (ed.); National Taiwan University, (2008), 28 - 30.

12. R.D. Bitsche, Z. Khalil, U. Noster, F. G. Rammerstorfer:
"*Simulation von Stahl-Leichtmetall Verbundguss-Strukturen - Herstellung und Mechanisches Verhalten*";
: 5. Ranshofener Leichtmetalltage 2008, Geinberg ; 2008-05-28 - 2008-05-29; in: "*5. Ranshofener Leichtmetalltage 2008*", U. Noster, F. Riemelmoser, P.J. Uggowitzer (ed.); (2008), ISBN: 978-3-902092-05-2; 87 - 98.

13. T. Daxner, T. Flatscher, F. G. Rammerstorfer:
"*Optimum Design of Corrugated Board under Buckling Constraints*";
: 7th World Congress on Structural and Multidisciplinary Optimization, Seoul; 2007-05-21 - 2007-05-25; in: "*Proceedings of the 7th World Congress on Structural and Multidisciplinary Optimization*", B.M. Kwak (ed.); BMD Co., Seoul, (2007), ISBN: 978-89-959384-2-3; Paper ID A0306, 10 pages.

14. D. H. Pahr, F. G. Rammerstorfer:
"*Analytical and Computational Models for Investigations of Local Buckling in Honeycomb Sandwiches*";
in: "*Thermec 2006, Materials Science Forum Vols. 539-543*", T. Chandra, K. Tsuzaki, C. Ravindran, M. Militzer (ed.); Trans Tech Publications Ltd., Zürich, 2007, ISBN: 0-87849-428-6, 2467 - 2472.

15. R.D. Bitsche, U. Noster, C. Peterlechner, F. G. Rammerstorfer:
"*Simulation von kraft- und formschlüssigen Hybridguss-Verbindungen als Designgrundlage*";
: 4. Ranshofener Leichtmetalltage, Salzburg ; 2006-10-17 - 2006-10-18; in: "*4. Ranshofener Leichtmetalltage 2006 - Vom Werkstoff zum Bauteilsystem*", H. Kaufmann, P.J. Uggowitzer, U. Noster (ed.); (2006), ISBN: 3-902092-04-1; 275 - 288.

16. B. Hößl, H. J. Böhm, F. G. Rammerstorfer, F.G. Barth:
"*Mechanoreception in the Exoskeleton of Arachnids: Engineering Meets Biology*";

: Third IASTED International Conference on Biomechanics, Benidorm; 2005-09-07 - 2005-09-09; in: "*Proceedings of the Third IASTED International Conference on Biomechanics*", M.H. Hamza (ed.); IASTED Acta Press, Anaheim, CA (2005), ISBN: 0-88986-534-5; Paper ID 485-088, 5 pages.

17. T. Daxner, F. G. Rammerstorfer, F.D. Fischer:
"*Flaring of Cylindrical Shells and Associated Instability Phenomena*";
: WCCM VI, Beijing ; 2004-09-05 - 2004-09-10; in: "*Computational Mechanics. Proceedings of the Sixth World Congress on Computational Mechanics*", Z.H. Yao, M.W. Yuan, W.X. Zhong (ed.); (2004), ISBN: 7-89494-512-9; Paper ID 513, 9 pages.

18. T. Daxner, M.H. Luxner, F. G. Rammerstorfer:
"*Thermo-Mechanically Interacting Composite Pipes Optimised by Genetic Algorithms*";
in: "*Proceedings of the 11th European Conference on Composite Materials*", European Society of Composite Materials, London, 2004, Paper ID C041, 10 pages.

19. T. Daxner, F. G. Rammerstorfer, F.D. Fischer:
"*Simulation of Material and Structural Instability Phenomena During the Flaring Process of Cylindrical Shells*";
in: "*Proceedings of the NUMIFORM 2004*", S. Ghosh, J.M. Castro, J.K. Lee (ed.); American Institute of Physics, Melville, NY, 2004, ISBN: 0-7354-0189-6, Paper ID N119, 6 pages.

20. D. H. Pahr, C. Marte, F. G. Rammerstorfer, H. J. Böhm:
"*Hierarchical Modelling of Perforated Woven Fabric Laminates*";
in: "*Proceedings of ECCOMAS 2004*", P. Neittaanmäki, M. Rossi, S. Korotov, E. Oñate, J. Périaux, D. Knörzer (ed.); issued by: ECCOMAS; University of Jyväskylä, Jyväskylä, 2004, ISBN: 951-39-1869-6, Paper ID 863, 17 pages.

21. D. H. Pahr, C. Schuecker, F. G. Rammerstorfer, H. E. Pettermann:
"*Investigations of Perforated Laminates in the Presence of Residual Stress*";
in: "*Proceedings of the 11th European Conference on Composite Materials*", European Society of Composite Materials, London, 2004, Paper ID C151, 10 pages.

22. F. G. Rammerstorfer, D. H. Pahr, T. Daxner, W.K. Vonach:
"*Buckling in Thin Walled Macro and Meso Structures of Lightweight Materials and Material Compounds*";
in: "*Computational Mechanics. Proceedings of the Sixth World Congress on Computational Mechanics*", Z.H. Yao, M.W. Yuan, W.X. Zhong (ed.); issued by: IACM; Springer-Verlag, Beijing, 2004, ISBN: 7-302-09341-5, 570 - 575.

23. T. Daxner, H. J. Böhm, F. G. Rammerstorfer:
"*Numerical Investigation of Local Yielding in Metallic Foams*";
in: "*Cellular Metals - Manufacture, Properties, Applications*", J. Banhart, N. A. Fleck, A. Mortensen (ed.); Verlag MIT Publishing, Bremen, 2003, ISBN: 3-935538-12-x, 413 - 418.

24. T. Daxner, F. G. Rammerstorfer, F.D. Fischer:
"*Simulation of Instability Phenomena During the Conical Expansion of a Pipe*";
in: "*Proceedings der ABAQUS Austria Anwenderkonferenz 2003*", ABAQUS Austria, Wien, 2003.

25. D. H. Pahr, F. G. Rammerstorfer:
"*Experimentelle und numerische Untersuchungen von perforierten Laminaten*";
in: "*Verbundwerkstoffe*", H.P. Degischer (ed.); issued by: DGM; Wiley-VCH, Weinheim, 2003, ISBN: 3-527-30762-1, 563 - 568.

26. D. H. Pahr, F. G. Rammerstorfer:
"*Multi-Scale Analyses of Perforated Laminates*";
in: "*Computational Analysis of Composite Lightweight Structures in Aerosapce Engineering*", R. Rolfes, J. Teßmer (ed.); Institut für Strukturmechanik, DLR Braunschweig, Braunschweig, 2003, 75 - 87.

27. W.K. Vonach, F. G. Rammerstorfer:
"*Face Layer Wrinkling in Sandwich Shells of General Configuration*";
in: "*Computational Fluid and Solid Mechanics 2003*", K.J. Bathe (ed.); Elsevier, Amsterdam, 2003, ISBN: 0-08-044046-0, 727 - 731.

28. D. H. Pahr, F. G. Rammerstorfer:
"*Meso-Macro Analyses of Perforated Laminates*";
in: "*Proceedings of the International Conference on New Challenges in Mesomechanics*", R. Pyrz, J. Schjødt-Thomsen, J. C. Rauhe, T. Thomsen, L. R. Jensen (ed.); Aalborg University, Aalborg, Denmark, 2002, ISBN: 87-89206-59-2, 147 - 154.

29. D. H. Pahr, F. G. Rammerstorfer:
"*Multi-Scale Analyses of Perforated Laminates*";
in: "*Proceedings of the Fifth World Congress on Compuational Mechanics (WCCM V)*", H.A. Mang, F. G. Rammerstorfer, J. Eberhardsteiner (ed.); TU Wien, Wien, 2002, ISBN: 3-9501554-0-6.

30. P. Rosenkranz, D. H. Pahr, K. Humer, H. W. Weber, F. G. Rammerstorfer:
"*Influence of Sample and Test Geometry on the Interlaminar Shear Strength of Fiber Reinforced Plastics under Static and Dynamic Loading at RT and 77K*";
in: "*Advances in Cryogenic Engineering: Proceedings of the International Cryogenic Materials Conference - ICMC, Volume 48*", B. Balachandran, D. Gubser, K.T. Hartwig (ed.); American Institute of Physics, College Park, MD, 2002, ISBN: 0-7354-0060-1, 221 - 228.

31. C. Motz, R. Pippan, A. Ableidinger, H. J. Böhm, F. G. Rammerstorfer:
"*Deformation and Fracture Behavior of Ductile Aluminium Foams in the Presence of Notches under Tensile Loading*";
in: "*Cellular Metals and Metal Foaming Technology*", J. Banhart, M.F. Ashby, N. A. Fleck (ed.); Verlag MIT Publishing, Bremen, 2001, 299 - 304.

32. D. H. Pahr, T. Daxner, F. G. Rammerstorfer, H. J. Böhm:
"*On Micro/Meso/Macro Modeling of Composite Lightweight Materials and Structures*";
in: "*Computational Mechanics: New Frontiers for the New Millenium*", S. Valiappan, N. Khalili (ed.); Elsevier, Amsterdam, 2001, ISBN: 00-80439-81-0, 753 - 762.

33. D. H. Pahr, F. G. Rammerstorfer:
"*Experimental and Numerical Determinaion of the Inter-Laminar Shear Strength for Short-Beam-Shear and Double-Lap-Shear Specimens*";

in: "*Proceedings of the 6th 6th International Conference on Deformation and Failure of Composites*", IOM Publications, London, 2001, 357 - 365.

34. H-E.Dechant, F.G.Barth, F.G.Rammerstorfer: "*Mechanics of Tactile Hair*", Sensor and Sensing in the Natural and Fabricated Worlds, Proc. 6th Int. Symp. on the Mechanis of Plants, Animals and Their Enviroments, Castelvecchio Pascoli, Italia, 2000.

35. H. J. Böhm, A. Eckschlager, W. Han, F. G. Rammerstorfer: "*3/D Arrangement Effects in Particle Reinforced Metal Matrix Composites*"; in: "*Plastic and Viscoplastic Response of Materials and Metal Forming*", A.S. Khan, H. Zhang, Y. Yuan (ed.); NEAT Press, Fulton, MD, 2000, 466 - 468.

36. M.Seitzberger, F.G.Rammerstorfer: "*On the Application of the Exact Ilyushin Yield Surface for Plastic Collapse Analysis of Shell Structures*", Proc. IASS-IACM'2000, CD-Rom.

37. H.P. Degischer, F. G. Rammerstorfer, O. Beffort: "*Design Rules for Selective Reinforcement of Mg Castings by MMC Inserts*"; in: "*Magnesium Alloys and their Applications*", K. Kainer (ed.); Wiley-VCH, Weinheim, 2000, ISBN: 97-83527309-75-7, 207 - 214.

38. W.K. Vonach, T. Daxner, F. G. Rammerstorfer: "*In-Situ Sandwiches with Optimized Metal Foam Cores*"; in: "*Sandwich Construction 5*", H.R. Meyer-Piening, D. Zenkert (ed.); EMAS Publishing, Solihull, UK, 2000, ISBN: 978-1-901537-18-5, 291 - 300.

39. H. J. Böhm, C.M. Chimani, H. E. Pettermann, A.F. Plankensteiner, F. G. Rammerstorfer: "*Multiscale Treatment of Inhomogeneous Materials by Finite Elements*"; in: "*Discretization Methods in Structural Mechanics*", H.A. Mang, F. G. Rammerstorfer (ed.); Kluwer Academic Publishers, Dordrecht, 1999, ISBN: 978-0-7923-5591-5, 257 - 264.

40. T. Daxner, H. J. Böhm, F. G. Rammerstorfer: "*Influence of Micro- and Meso-Topological Properties on the Crash-Worthiness of Aluminium Foams*"; in: "*Metal Foams and Porous Metal Structures*", J. Banhart, M.F. Ashby, N. A. Fleck (ed.); Verlag MIT Publishing, Bremen, 1999, 283 - 288.

41. R. Gradinger, M. Seitzberger, F. G. Rammerstorfer, H.P. Degischer, M. Blaimschein, C. Walch: "*Aluminium Foam Filled Steel Tubes as Composite Shock Absorbers*"; in: "*Metal Foams and Porous Metal Structures*", J. Banhart, M.F. Ashby, N. A. Fleck (ed.); Verlag MIT Publishing, Bremen, 1999, 313 - 316.

42. R.B. Stewart, F. Marketz, W.C.M. Lohbeck, F.D. Fischer, W. Daves, F. G. Rammerstorfer, H. J. Böhm: "*Expandable Wellbore Tubulars*"; in: "*Proceedings of the 1999 SPE Technical Symposium*", Society of Petroleum Engineers, Dubai, 1999, ISBN: 978-1-61399-106-0.

43. W.K.Vonach, F.G.Rammerstorfer: „*An Efficient General Solution for the Wrinkling Load of Thick Sandwich Shells*“, Proc. ASEM’99 (Ch.-K. Choi, W.C.Schnobrich, Eds.), Vol. 1, 439-444.

44. V.A. Buryachenko, F. G. Rammerstorfer:
"*Micromechanics and Nonlocal Effects in Graded Random Structure Matrix Composites*";
in: "*Transformation Problems in Composite and Active Materials*", Y.A. Bahei-el-Din, G.J. Dvorak (ed.); Kluwer Academic Publishers, Dordrecht, 1998, ISBN: 978-0-7923-5122-1, 197 - 206.

45. A.F.Plankensteiner, H.J. Böhm, F.G. Rammerstorfer, H.E. Pettermann: "*Multiscale Modeling of Highly Hetereogeneous Particulate MMCs*", Proc. EMMC2 „Mechanics of Materials with Intrinsic Length Scale: Physics, Experiments, Modelling and Applications“ (A.Bertram. S.Forest, F.Sido-roff, Eds.), 1998, 291-298.

46. M.Seitzberger, F.G.Rammerstorfer: "*Über die Anwendung der exakten Ilyushin Fließfläche in Traglastuntersuchungen von Schalenstrukturen*", Tagungsband 6. Workshop „Numerische Methoden der Plastomechanik“, 1998, Neustadt am Rübenberge, Univ. Hannover, Inst. f. Mechanik, 1998, 237-252.

47. N. Friedl, F. G. Rammerstorfer, F.D. Fischer:
"*On the Buckling of Plates under Global Tension*";
in: "*Computational Structures Technology IV*", B.H.V. Topping (ed.); Civil Comp Press, Edinburgh, 1998, 73 - 77.

48. W.K. Vonach, F. G. Rammerstorfer:
"*Effects of In-Plane Stiffness on the Wrinkling Load of Sandwich Constructions*";
in: "*Sandwich Construction 4*", K.A. Olsson (ed.); EMAS Publishing, Warley, 1998, 155 - 166.

49. L.J.Martikainen, F.G.Rammerstorfer: "*Modelling the Local Failure Modes in Thin-Faced Sandwich Panels*", Proc. NMCM’98, 1998, 101-106.

50. M.Seitzberger, F.G.Rammerstorfer: „*Study of axisymmetric crushing mechanisms by sequential limit analysis*“, Proc. Int. Crashworthiness Conf. 1998, Dearborn MA, Woodhead Publ .Ltd., Cambridge, 1998, 509-521.

51. C.M. Chimani, H. J. Böhm, F. G. Rammerstorfer, C. Hausmann:
"*Free Edge Effects at Interfaces in Selectively Reinforced Structures*";
in: "*Damage and Failure of Interfaces*", HP Rossmanith (ed.); A.A. Balkema, Rotterdam, 1997, ISBN: 90-5410-899-1, 91 - 98.

52. C.M.Chimani, H.J.Böhm, F.G.Rammerstorfer: "*A Micromechanical Investigation of Thermally Induced Stress Singularities in Heterogeneous Hybrid Structures*", Proc. ICRS-5 (T.Ericsson, M.Odén, A.Andersson, Eds.), Institute of Technology, Linköpings Univ., 1997, 478-483.

53. M.Seitzberger, F.G.Rammerstorfer, H.P.Degischer, R.Gradinger: "*Kollapsverhalten axial gedrückter, mit Aluminiumschaum gefüllter Stahlprofile*", Tagungsband Symp. "Metallschäume" (J.Banhart, Ed.), Verlag MIT Bremen, 1997, 137-146.

54. M.Seitzberger, S.Wintschnig, F.G.Rammerstorfer: "*On the Plastic Collapse Behaviour of Tubular Steel Structures Under Axial Compression*", Proc. Int. Conf. on Carrying Capacity of Steel Shell Structures (V.Krupka, P.Schneider, Eds.), Brno, 1997, 64-70.

55. H. J. Böhm, F. G. Rammerstorfer:
"*Influence of the Micro-Arrangement on Matrix and Fiber Damage in Continuously Reinforced MMCs*";
in: "*Micromechanics of Plasticity and Damage of Multiphase Materials*", A. Pineau, A. Zaoui (ed.); Kluwer Academic Publishers, Dordrecht, 1996, ISBN: 978-0-7923-4188-8, 19 - 26. N.Praxmarer, F.G.Rammerstorfer:

56. „Global Stiffness Characteristics of the Foot“, Proc. 9th Int .Conf. on Mechanics in Medicine and Biology (D.Miklavcic, T.Bajd, U.Stanic, M.Munih, Eds.), Ljubljana, 1996, 10-13.

57. A.F.Plankensteiner, F.G.Rammerstorfer, V.A.Buryachenko, G.Hackl: „*Micro-Meso-Macro-Mechanical Modelling of the Strength Behavior of Tool Steel*“, Proc. „Progress in Tool Steels“ (H.Berns, H.-F.Hinz, I.-M.Hucklenbroich, Eds.), Schürmann & Klagges KG, Bochum, 1996, 481-489.

58. F.G.Rammerstorfer: "*On Micromechanical Modelling of Heterogeneous Materials*", Proc. MMSP'96 (COST), Davos, 169-181.

59. H.E.Pettermann, H.J.Böhm, F.G.Rammerstorfer: "*An Elasto-Plastic Constitutive Law for Composite Materials*", Proc. MMSP'96 (COST 512), Davos, 384-392.

60. V.A. Buryachenko, H. J. Böhm, F. G. Rammerstorfer:
"*Modeling the Overall Elastoplastic Behavior of Multiphase Materials by the Effective Field Method*";
in: "*Micromechanics of Plasticity and Damage of Multiphase Materials*", A. Pineau, A. Zaoui (ed.); Kluwer Academic Publishers, Dordrecht, 1996, ISBN: 978-0-7923-4188-8, 35 - 42.

61. I.C. Skrna-Jakl, F. G. Rammerstorfer:
"*An Analysis Concept for Investigating Global and Local Effects in Stiffened Composite Structures*";
in: "*Advances in Analysis and Design of Composites*", B.H.V. Topping (ed.); Civil Comp Press, Edinburgh, 1996, 1 - 10.

62. M.A. Stiftinger, F. G. Rammerstorfer:
"*Semi-Analytical Finite Element Formulations for Delamination Prediction in Layered Composite Structures*";
in: "*Advances in Analysis and Design of Composites*", B.H.V. Topping (ed.); Civil Comp Press, Edinburgh, 1996, 61 - 72.

63. M.A. Stiftinger, F. G. Rammerstorfer, A. Starlinger:
"*Face Layer Wrinkling in Anisotropic Sandwiches*";
in: "*Sandwich Construction 3*", H.G. Allen (ed.); Chameleon Press, London, 1996, 325 - 334.

64. A.F.Plankensteiner, H.J.Böhm, F.G.Rammerstorfer, T.Antretter, F.D.Fischer: „*Modellierung des Mikrogefügeeinflusses auf das Verformungs- und Bruchverhalten von Schnellarbeitsstählen*“, Proc. „Gefüge und Bruch“, Leoben, 1996, 1-6.

65. I.C.Skrna-Jakl, F.G.Rammerstorfer, E.K.Tschegg: „*Acoustic Emission Measurements for Verification of Failure Computations in Stiffened Composite Panels*“, Proc. AECM-5, Sundsvall, 1995, 359-368.

66. W.Krach, F.G.Rammerstorfer, T.J.Reiter, P.Zenz: „*In Vivo CT-Based 3D-Modelling of Human Bones with Respect to Inhomogeneity*“, Proc. 1995 Bioengineering Conf. (R.M.Hochmuth, N.A.Langrana, M.S.Hefzy, Eds.), BED-Vol. 29, 57-58, ASME, New York.

67. W.Krach, T.J.Reiter, F.G.Rammerstorfer, P.Zenz: „*Computerunterstützte Vorhersage des Knochenumbaus am Beispiel von Knieendoprothesen*“, Proc. 19. Jahres-tagung d. Öst. Bio¬med. Technik, Graz, Biomed. Technik Band 40, Ergän¬zungsband 2, 1995, 78-80.

68. N.Praxmarer, F.G.Rammerstorfer, K.Irsigler, T.Kästenbauer: „*Eine Meßmethode zur Erfassung von Fußsteifigkeiten und ihre Anwendungen*“, Proc. 19. Jahrestagung d. Öst. Biomed.Technik, Graz, Biomed. Technik Bd. 40, Ergänzungsband 2, 1995, 90-92.

69. M.Pleschberger, F.G.Rammerstorfer: „*Spannungs- und Deformationsanalyse des zahnlosen menschlichen Unterkiefers mit Hilfe der Methode der finiten Elemente*“, Proc. 19. Jahrestagung d. Öst. Biomed. Technik, Graz, Biomed. Technik Bd. 40, Ergänzungsband 2, 1995, 124-126.

70. H.E.Pettermann, T.J.Reiter, F.G.Rammerstorfer: „*Ein Simulationsalgorithmus der natürlichen Anpassung des orthotropen Knochenmaterials*“, Proc. 19. Jahrestagung d Öst. Biomed. Technik, Graz, Biomed. Technik Band 40, Ergänzungsband 2, 1995, 127-129.

71. I.C.Skrna-Jakl, F.G.Rammerstorfer, E.K.Tschegg: „*Numerical and Experimental Investigations of Failure in Integrally Stiffened, Layered Composite Panels*“, Proc. ICES‘95, Hawaii, 2358-2363.

72. N.Praxmarer, F.G.Rammerstorfer, K.Irsigler, T.Kästenbauer: „*Shoe/Insole Design by Simulating the In-shoe Pressure Distribution During Walking*“, in „Computer Simulations in Biomedicine, Computational Mechanics Publications“ (H.Power, R.T.Hart, Eds.), Milan, 1995, 385-392.

73. I.C.Skrna-Jakl, F.G.Rammerstorfer: „*Computational Design of Integral Stiffening in Composite Shells with Respect to Different Failure Mechanisms*“, in „High Tech in Salzburg - Creativity in Advanced Materials and Process Engineering“ (R.W.Lang, M.A.Erath, Eds.), 1995, 267-280.

74. M.A.Stiftinger, F.G.Rammerstorfer, A.Starlinger: „*Face Layer Wrinkling in Anisotropic Sandwiches*“, in „Sandwich Construction 3“ (H.G.Allen, Ed.), Chameleon Press Ltd., London, 1996, 325-334.

75. O.I.Minchev, F.G.Rammerstorfer: „*Microbuckling and Delamination Effects on the Compression Be¬havior of*

Materials with Layered Microstructure“, in „Continuum Models and Discrete Systems“ (K.Z.Markov, Ed.), World Scientic, Singapore et al., 1995, 250-257.

76. V.A.Buryachenko, F.G.Rammerstorfer:
„*Elastic-plastic Behavior of Elastically Homogeneous Materials with a Random Field of Inclusions*“, in „Con-tinuum Models and Discrete Systems“ (K.Z.Markov, Ed.), World Scientic, Singapore et al., 1995, 140-147.

77. F.G.Rammerstorfer, M.A.Stiftinger, I.C.Skrna-Jakl:
„*Computational Analysis of Composite Shells*“, Proc. LSCE‘95, Warsaw, 1995, 287-293.

78. I.C.Skrna-Jakl, M.A.Stiftinger, F.G.Rammerstorfer:
„*Das Beul- und Nachbeulverhalten eines längsversteiften CFK-Tragflächenteils - geometrisch nicht-lineare FE-Studien*“, Tagungsband 16. Duisburger Koll. Schiffstechnik/ Meerestechnik, 1995, 105-116.

79. H.J.Böhm, F.G.Rammerstorfer:
„*Fiber Arrangement Effects on the Microscale Stresses of Continuously Reinforced MMCs*“, Proc. IUTAM-Symp. on Microstructure-Property Interactions in Composite Materials (R.Pyrz, Ed.), Kluwer Academic Publ., Dordrecht et al., 1995, 51-62.

80. T. J.Reiter, H.E.Pettermann, F.G.Rammerstorfer:
„*Simulation of Bone Remodeling with Respect to Bone Anisotropy*“, Proc. 8th Int. Conf. on Biomedical Engineering, Singapore, 1994, 201-203.

81. O.Minchev, F.G.Rammerstorfer:
„*Micromechanical Aspects of Primary Forming of Titanium Aluminides“,* Tagungsband "Zukunftsorientierte Werkstoffentwick¬lung 'Eisenhütte Österreich'" (W.Krieger, A.Kulmburg, H.Jäger, H.P.Degischer, H.Desser, Eds.), Leoben, 1994, 211-233.

82. H.J.Böhm, F.G.Rammerstorfer, E.Weissenbek, H.P.Degischer:
„*Keramikverstärkte metallische Verbundwerkstoffe*“, Tagungsband "Zukunftsorientierte Werkstoffentwicklung“, „Eisenhütte Österreich'“ (W.Krieger, A.Kulmburg, H.Jäger, H.P.Degischer, H.Desser, Eds.), Leoben, 1994, 234-253.

83. Th.Reiter, F.G.Rammerstorfer:
„*Simulation of Natural Adaptation of Bone Material and Application in Optimum Composite Design*“, in „Optimal Design with Advanced Materials“ (P.Pedersen, Ed.), Elsevier Applied Sciences Publ., London et al., 1993, 25-36.

84. E.Weissenbek, H.J.Böhm, F.G.Rammerstorfer:
„*Microgeometrical Effects on the Elastoplastic Behavior of Particle Reinforced MMC*“, in „Metal Matrix Composites“ (A.Miravete, Ed.), Woodhead Publ., Cambridge, 1993, 295-302.

85. I.Skrna-Jakl, F.G.Rammerstorfer:
„*Numerische Untersuchungen von Laminat-Randeffekten an inte¬gral versteiften, geschichteten Composite Bauteilen*“, Tagungsband 3. Öst. ABAQUS Anwendertreffen, 1993, TU Graz, 1-19.

86. T.J.Reiter, F.G.Rammerstorfer, H.J.Böhm:
„*Computation of Biomechanical Effects in Bone Caused by Implants*“, in „Computer Methods in Mechanics“ (W.Gilewski, L.Chodor, Eds.), Kielce Univ. of Technology, 1993, Vol. II, 799-806.

87. T.J.Reiter, F.G.Rammerstorfer, H.J.Böhm:
„*Structural Design Improvement by Functional Adaptation*“, in „Structural Optimization'93“ (J.Herskovits, Ed.), ABCM, 1993, 361-368.

88. H.J.Böhm, F.G.Rammerstorfer:
„*Micromechanical Models for Investigating Fibre Arrangements in Metal Matrix Composites*“, Proc. MECA-MAT'93, Collection de la Direction des Etudes et Recherches D'Electricite de France, Moretsur-Loing, 1993, Editions Enrolls, 383-394.

89. E.Hinteregger, F.D.Fischer, F.G.Rammerstorfer:
„*The Influence of Frictional Forces on the Longitudinal Distribution of Thermally Induced Residual Stresses in Beams*“, in „Residual Stresses III“ (H.Fujiwara, T.Abe, K.Tanaka, Eds.), Elsevier Applied Science Publ., London et al., 1992, Vol. 2, 1278-1283.

90. F.G.Rammerstorfer, I.Skrna, M.Zelezny:
„*The Influence of Welding Stresses and Distortions on the Stability of Shells of Revolution*“, in „Mechanical Effects of Welding“ (L.Karlsson, L.-E.Lindgren, M.Jonsson, Eds.), Springer-Verlag, Berlin et al., 1992, 239-259.

91. F.G.Rammerstorfer, F.D.Fischer:
„*The Computational Verification of a New Procedure for the Experimental Determination of Residual Stresses in Compound Rollers*“, in „Residual Stresses III“ (H.Fujiwara, T.Abe, K.Tanaka, Eds.), Elsevier Applied Science Publ., London et al., Vol. 2, 1992, 1241-1247.

92. H.J.Böhm, F.D.Fischer, F.G.Rammerstorfer, T.Siegmund:
„*Plastic Effects in Thermal Cycling of Multiphase Materials*“, in „Computational Plasticity“ (D.R.J.Owen, E.Onate, E.Hinton, Eds.), Pineridge Press, Swansea, 1992, 1719-1731.

93. A.Starlinger, F.G.Rammerstorfer:
„*A Finite Element Formulation for Sandwich Shells Accounting for Local Failure Phenomena*“, Proc. 2nd Int. Conf. Sandwich Construction, 1992, Gainesville/USA, Vol. 1, 161-185.

94. Th.Siegmund, E.Weissenbek, F.D.Fischer, F.G.Rammerstorfer:
„*Micromechanical Consideration of Topological Aspects Regarding Thermocyclic Behaviour*“, in „The Processing, Properties and Applications of Metallic and Ceramic Materials“ (M.H.Loretto, C.J.Beevers, Eds.), 1992, Vol. II, 971-976.

95. K.Scharf, F.G.Rammerstorfer, F.D.Fischer:
„*Earthquake Resistant Design of Unanchored Cylindrical Liquid Storage Tanks*“, in „Earthquake Resistant Construction and Design“ (S.A.Savidis, Ed.), A.A.Balkema, Rotterdam, 1991, 283-292.

96. K.Scharf, F.G.Rammerstorfer, F.D.Fischer:
„*Einige Aspekte zur Anwendung der Antwortspektrenmethode für Flüssigkeit-*

Festkörper-Interaktionsprobleme des Erdbebeningenieurwesens", in "Erdbebeneinwirkungen auf nichttragende Bau¬elemente", Proc. 5. Dreiländer Tagung, München (G.Berz, Ed.), DGEB-Publ. 3, Berlin, 1991, 229-240.

97. F.D.Fischer, F.G.Rammerstorfer:
„*The Thermally Loaded Heavy Beam on a Rough Surface*“, *in „Trends in Applications of Mathematics to Mechanics*“ (F.Ziegler, Ed.), Longman Higher Education & Reference, Burnt Mill/UK, 1991, 10-21.

98. K.Dorninger, F.G.Rammerstorfer:
„*Berechnungsverfahren für faserverstärkte Werkstoffe und Faser-Verbund-Schalen*“, Tagungsband „Baustatik/ Baupraxis“, TU Braunschweig/Univ. Hannover, 1990.

99. F.G.Rammerstorfer, K.Scharf, F.D.Fischer:
„*Dynamic Fluid-Structure-Interaction and Stability in Storage Tank Design*“, in „Structural Dynamics“ (W.B.Krätzig et al., Eds.), A.A. Balkema, Rotterdam, 1991, 113-120.

100. F.G.Rammerstorfer, F.D.Fischer, H.J.Böhm:
„*Computational Micromechanics of Multiphase Materials*“, Proc. 2nd WCCM, Stutgart, 1990, 907-910.

101. H.J.Böhm, F.G.Rammerstorfer, F.D.Fischer:
„*Design of Material Laws for Natural and Artificial Multiphase Materials by Micromechanical Concepts*“, in „Mechanical Behaviour of Materials - VI, Proc. ICM-6" (M.Jono, T.Inoue, Eds.), Pergamon Press, Oxford, 1991, 171-176.

102. G.Riha, E.T.Till, F.G.Rammerstorfer, K.M.Radlmayr:
„*Rechnerische Untersuchung einfacher Crashversuche*“, in „Leichtbaustrukturen unter kurzzeitiger Beanspru-chung (Impact, Crash)“, DGLR-Bericht 91-04, Bremen, 1991, 151-173.

103. H.J.Böhm, F.G.Rammerstorfer:
„*Micromechanical Investigation of the Processing and Loading of Fiber Reinforced Metal Matrix Composites*“, in „Metal Matrix Composites“ (G.Chadwick, L.Froyen, Eds.), North Holland Publ., Amsterdam et al., 1991, 185-188.

104. T.J.Reiter, F.G.Rammerstorfer, H.J.Böhm:
„*Numerische Prognose spannungsbedingter Knochenumbildungen*“, in "Materialien zum Arbeitsgespräch 'Design und Optimierung in Natur und Technik?'", Stuttgart, Konzepte SFB 230, Heft 35, 1991, 47-49.

105. F.G.Rammerstorfer, F.D.Fischer, H.J.Böhm:
„*Treatment of Micro-Mechanical Phenomena by Finite Elements*", Proc. IUTAM/IACM Symp. Discretization Methods in Structural Mechanics" (G.Kuhn, H.Mang, Eds.), Springer-Verlag, Berlin et al., 1990, 393-404.

106. F.G.Rammerstorfer, F.D.Fischer, K.Scharf:
„*Ein ingenieursmäßiges Konzept zur Bemessung von erdbebenbeanspruchten, zylindrischen Tankbauwerken*", Berichtsband SFB 151/SSP 30-Gemeinschaftssem. Baudynamik, Rep. 24-89, IFM Innsbruck, 1989, 117-122.

107. K.Dorninger, F.G.Rammerstorfer:
„*Thermoelastic Stress and Stability Analysis of Layered Composite Shells at Large Deformations*“, in „Numerical Methods in Thermal Problems“ (R.W.Lewis, K.Morgan, Eds.), Pineridge Press, Swansea, 1989, Vol. VI, Part 2, 787-798.

108. F.G.Rammerstorfer, F.D.Fischer, K.Scharf:
„*An Engineering Approach to an Earthquake Resistant Design of Liquid Storage Tanks*“, Proc. 14th Regional Sem. on Earthquake Engineering, Ossiach, 1988, A State-of-the-Art-Report (R.G.Flesch, F.Ziegler, Eds.), OGE, Wien, 1989, 132-142.

109. H.J.Böhm, F.G.Rammerstorfer:
„*Computational Investigation of the Anisotropic Elastic-Pla¬stic Material Behaviour of Fiber-Reinforced Metals as Influenced by Residual Micro-Stresses*“, Proc. ICRS-2 (G.Beck, S.Denis, A.Simon, Eds.), Elsevier Applied Science Publ., London et al., 1989, 423-428.

110. F.D.Fischer, E.Hinteregger, F.G.Rammerstorfer:
„*The Influence of Different Geometrical and Thermal Boundary Conditions and the Phase Transformation on the Residual Stress State in Railroad Rails after Heat-Treatment*", Proc. ICRS-2 (G.Beck, S.Denis, A.Simon, Eds.), Elsevier Applied Science Publ., London et al., 1989, 467-472.

111. A.J.Svobodnik, H.J.Böhm, F.G.Rammerstorfer:
„*Elastic-Plastic Behavior of Metal Matrix Composites with Special Emphasis on Finite Element Analysis*", in "PLASTICITY'89" (A.S.Khan, M.Tokuda, Eds.), Pergamon Press, Oxford, 137-140.

112. F.G.Rammerstorfer, F.D.Fischer, A.Starlinger, F.Hirschmanner:
„*The Analysis of the Flat Edging and Horizonatal Rolling Process by Finite Elements*", in "NUMIFORM'89" (E.G.Thompson, R.D.Wood, O.Zienkiewicz, A.Samuelsson, Eds.), A.A.Balkema, Rotterdam, 349-354.

113. K.Scharf, F.G.Rammerstorfer, F.D.Fischer:
„*Elastic Plastic Stability Analysis of Earthquake Loaded Tanks*", in „Nichtlineare Berechnungen im Konstruktiven Ingenieurbau" (E.Stein, Ed.), Springer-Verlag, Berlin et al., 1989, 158-175.

114. K.Scharf, F.G.Rammerstorfer, F.D.Fischer:
„*The Scientific Background of the Austrian Recommendations for Earthquake Resistant Liquid Storage Tank Design*", in "Structural Dynamics and Soil-Structure Interaction" (A.S.Cakmak, I.Herrera, Eds.), Comp.Mech. Publ., Southampton et al., 1989, 281-313.

115. F.G.Rammerstorfer, F.D.Fischer, K.Scharf:
„*A Proposal for the Earthquake Resistant Design of Tanks - Results from the Austrian Research Project*“, Proc. 9WCEE, Japan Association for Earthquake Disaster Prevention, Tokyo, 1989, Vol. VI, 715-720.

116. R.Seeber, F.D.Fischer, F.G.Rammerstorfer:
„*A Weighted Residual Approach to the Dynamic Behaviour of Flexibe Liquid-Filled Containers on a Deformable Soil*“, Proc. Ceded Conf. on Civil Engineering Dynamics, Bristol, 1988, 3-17.

117. F.D.Fischer, E.Hinteregger, F.G.Rammerstorfer:
„*A Study on the Residual Stresses in Railroad Rails After Cooling Down From the Rolling Temperature*“, ASME Winter Meeting: Symp. on Applications of Applied Mechanics to Railway Engineering Problems, Chicago, 1988, 37-43.

118. K.Dorninger, F.G.Rammerstorfer:
„*Geometrically and Materially Nonlinear Analysis of Layered Composite Shell Structures*“, Proc. COMPOSITES‘88, Nice.

119. K.L.Maurer, F.D.Fischer, F.G.Rammerstorfer:
„*The Failure and Repair of a 300 MN Percussion Press Slide Block*“, Proc. 7th Europ. Conf. on Fracture, Budapest, 1988, 329-337.

120. F.D.Fischer, E.Hinteregger, F.G.Rammerstorfer:
„*The Cooling-Down-Process of Hot-Rolled Railroad Rails - A Numerical and Experimental Study of Residual Stresses*“, Proc. Int. Sem. on the Inelastic Behaviour of Solids - Models and Utilization, Besancon, 1988, 1-10.

121. F.G.Rammerstorfer:
„*Bruchmechanische Bewertungsmethoden von Schweißnahtfehlern - Berechnungsverfahren*“, Berichtsband ÖGS-Sem. „Zulässigkeit von Werkstoff- und Schweißfehlern“, Graz et al., 1988.

122. F.G.Rammerstorfer:
„*Experimental Investigation of Parametric Resonances*“, Proc. 5th Danubia-Adria Symp. on Progress in Experimental Mechanics, CISM, Udine, 1988, 54-56.

123. A.Starlinger, F.G.Rammerstorfer, W.Scheidl:
„*Stabilität von Generatorkuppeln*“, Berichtsband 5. Int. Sem. Wasserkraftanlagen, Wien, 1988, 279-293.

124. F.D.Fischer, F.G.Rammerstorfer, F.B.Bauer, H.J.Böhm:
„*Unexpected Phenomena in Cyclic High-Temperature Plasticity*“, in „Thermomechanical Coupling in Solids“ (H.D.Bui, Q.S.Nguyen, Eds.), Elsevier Science Publ., London et al., 1987, 183-194.

125. R.Seeber, F.D.Fischer, F.G.Rammerstorfer:
„*Abstrahlungsdämpfung von schwingenden, flüssigkeitsgefüllten Zylinderschalen bei vertikaler, horizontaler und Dreherregung*“, SFB 151/ FSP 30-Seminar „Baudynamik“, Ruhr-Univ.Bochum, 1987.

126. F.G.Rammerstorfer, F.D.Fischer, K.Dorninger:
„*Neue Ergebnisse zur Stabilitätsanalyse von flüssigkeitsgefüllten Zylinderschalen bei Erdbebenerregung*“, SFB 151/FSP 30-Seminar "Baudynamik", Ruhr-Univ.Bochum, 1987.

127. F.J.Bauer, F.D.Fischer, F.G.Rammerstorfer, K.L.Maurer:
„*Shape Changing and Cracking During High-Temperature Cycling of Highly-Alloyed Steel Cylinders*“, Proc. 2nd Int. Conf. on Low Cycle Fatigue and Elasto-Plastic Behaviour of Materials, DVM, München, 1987.

128. F.D.Fischer, F.G.Rammerstorfer, R.Seeber:
„*Refined Algorithms for the Analysis of Earthquake Loaded Tanks*“, Proc. 3rd Int. Conf. on Soil Dynamics and Earthquake Engineering, Princeton, 1987, 616-621.

129. F.G.Rammerstorfer, H.J.Holl, F.D.Fischer, R.Seeber:
„*Influence of the Vertical Motion Component on the Plastic Collapse of Earthquake Excited Tanks*“, K14, Proc. 9th SMiRT, Lausanne, 1987, 793-798.

130. F.D.Fischer, R.Seeber, F.G.Rammerstorfer:
„*Dynamic Analysis of a Nonlinear, Three-Dimensional Tank-Liquid-Soil Interaction Problem*“, Proc. ASME Pressure Vessel and Piping Conf., San Diego, 1987, 325-331.

131. W.Mitter, F.G.Rammerstorfer, K.Dorninger, R.Scheierl, G.Wiedner:
„*Investigations on the Relaxation of Straightening Stresses During Annealing of Heat Treatable Steel*“, in „Resi-dual Stresses in Science and Technology“ (E.Macherauch, V.Hauk, Eds.), DGM, Bad Nauheim, 1987, Vol. 2, 629-635.

132. F.G.Rammerstorfer, W.Auli, F.D.Fischer:
„*On the Influence of Contact Boundary Conditions on the Stability of Shell Structures Under Follower Loads*“, in „Finite Element Methods for Nonlinear Problems“ (P.G.Bergan, K.-J.Bathe, W.Wunderlich, Eds.) Springer-Verlag, Berlin et al., 1986, 675-695.

133. K.Dorninger, F.D.Fischer, F.G.Rammerstorfer, R.Seeber:
„*Progress in the Analysis of Earthquake Loaded Tanks*“, Proc. 8ECEE/EAEE, Vol. 3, 1986, 73-80.

134. F.G.Rammerstorfer:
„Deformierbare Arterienwand - Einfluß des Materialverhaltens“, Sem.-Proc. 11. Jahrestagung Öst. Ges. f. Biomed. Technik, Baden, 1986, 109-121.

135. F.G.Rammerstorfer, W.Auli:
„*Computation of the Stability of Dynamically Loaded Non-Linear Structures*“, in „Numerical Methods for Non-Linear Problems“ (C.Taylor, D.R.J.Owen, E.Hinton, F.B.Damjanic, Eds.), Pineridge Press, Swansea, 1986, Vol. 3, 615-637.

136. F.G.Rammerstorfer, W.Auli, F.D.Fischer:
„*Abheben und Beulen von zylindrischen Behältern bei Windbelastung*“, Proc. Tagung Mechanik und Industrie, Igls, 1985.

137. F.D.Fischer, F.G.Rammerstorfer, W.Auli:
„*Erdbebenbeanspruchte Tankbauwerke - gelöste und ungelöste Probleme*“, Proc. Tagung Mechanik und Industrie, Igls, 1985.

138. F.D.Fischer, F.G.Rammerstorfer, W.Auli:
„*Strength and Stability of Uplifting Earthquake-Loaded Liquid Filled Tanks*“, Proc. 8th SMiRT, BK2/1*, Brussels, 1985, 475-480.

139. D.F.Fischer, F.G.Rammerstorfer:„*Stability of Liquid Storage Tanks Under Earthquake Excitation*“, Proc. 8WCEE, San Francisco, 1984, 215-222.

140. W.Mitter, F.G.Rammerstorfer, O.Gründler, G.Wiedner:
„*Explanation of Discrepancies Between Calculated and Measured Residual Stresses*

in a Quenched Pure Iron Cylinder", Proc. Int. Symp. Calculation of Internal Stresses in Heat Treatment of Metallic Materials, Linköping, 1984, 118-133.

141. F.G.Rammerstorfer, E.T.Till, H.Bramerdorfer, H.Schubert, K.L.Schwaha: „*Model Investigations on Horizontal Continuous Casting Process*“, Proc. CCC'84, Linz, 1984.

142. W.Mitter, F.G.Rammerstorfer: „*Finite-Elemente-Modell zur Berechnung der Umwandlungsplastizität bei Eigenspannungsberechnungen*“ (Finite Element Model to define Transformation Plasticity in Residual Stress Calculation), in „Eigenspannungen“ (E.Macherauch, V.Hauk, Eds.), DGM, Bad Nauheim, 1983, 239-250.

143. F.G.Rammerstorfer, W.Mitter, H.Bartosch: „*Problems Connected with the Computation of Transformation Stresses in Steel Bodies*“, in „Numerical Methods in Thermal Problems“ (R.W.Lewis, J.A.Johnson, W.R.Smith, Eds.), Pineridge Press, Swansea, 1983, 280-291.

144. D.F.Fischer, F.G.Rammerstorfer: „*Local Instabilities of Liquid Filled Cylindrical Shells Under Earthquake Excitation*“, Proc. 7th SMIRT, K4/8, Chicago, 1983, 303-312.

145. B.Lindorfer, F.G.Rammerstorfer, G.Hofstätter: „*Reduzierung von 3/d auf 2/d für ein spezielles thermo-visko-elasto-plastisches Problem*“, Proc. XII. Int. FEM-Congr., Baden-Baden, 1983.

146. F.G.Rammerstorfer, D.F.Fischer: „*Fluid Structure Interaction-Buckling of Liquid Filled Cylindrical Shells Under Earthquake Loading*“, Proc. ANSYS German Conf., Herrsching/München, 1983.

147. D.F.Fischer, E.T.Till, F.G.Rammerstorfer: „*Bruchmechanische Berechnungen von Schraub- und Schweißverbindungen*“, in „Finite Elemente in der Bruchmechanik“ (H.P.Rossmanith, Ed.), Springer-Verlag, Wien et al., 1982, 1-37.

148. D.F.Fischer, E.T.Till, F.G.Rammerstorfer: „*A Crack in the Thread of a Bolt - Fatigue Life Estimation*“, Proc. IABSE Coll., Lausanne, 1982, 725-732.

149. D.F.Fischer, F.G.Rammerstorfer: „*The Stability of Liquid-Filled Cylindrical Shells Under Dynamic Loading*“, in „Buckling of Shells (State-of-the-Art-Coll.)“, Springer-Verlag, Berlin et al., 1982, 569-597.

150. E.T.Till, F.G.Rammerstorfer: „*Berechnung des Einflusses einer Walzenbiegeanlage beim Breitbandwalzen mittels der Methode der Finiten Elemente*“, Proc. IX. Int. FEM Congr., Baden-Baden, 1982, 305-320.

151. D.F.Fischer, O.Gründler, W.Mitter, F.G.Rammerstorfer, E.T.Till: „*The Influence of Creep and Transformation Plasticity in the Analysis of Stresses Due to Heat-Treatment*“, in „Numerical Methods in Thermal Problems“ (R.W.Lewis, K.Morgan, B.A.Schrefler, Eds.), Pineridge Press, Swansea, 1981, 364-376.

152. F.G.Rammerstorfer, D.F.Fischer:
„*Parameter Sensitivity of Nonlinear Structures Concerning Stability Limit*“, in „Nonlinear Finite Element Analysis in Structural Mechanics“ (W.Wunderlich, E.Stein, K.-J.Bathe, Eds.), Springer-Verlag, Berlin et al., 1981, 90-108.

153. F.G.Rammerstorfer, D.F.Fischer:
„*Limit Analysis Under the Aspect of Catastrophe Theory*“, Proc. 6th SMIRT, M11/3, Paris, 1981, 1-8.

154. F.G.Rammerstorfer, R.Angerer, A.Patuzzi, A.Scheinecker:
„*Shock Loads on the Ladle Turret Arm*“, Proc. CCC'81, Linz, 1981, 1-20

155. F.G.Rammerstorfer, D.F.Fischer:
„*Nonlinear Elastic-Plastic Stability and Contact Problems Concerning the Staightening of a Wave-Like Deformed Strip Plate*“, in „Numerical Methods for Non-Linear Problems“ (C.Taylor, E.Hinton, D.R.J.Owen, Eds.), Pineridge Press, Swansea, 1980, Vol. 1, 307-315.

156. D.F.Fischer, F.G.Rammerstorfer:
„*Straightening of a Wavy Strip - An Elastic-Plastic Contact Problem Including Snap-Through*“, NASA CP 2147, Washington, 1980, 175-185.

157. F.G.Rammerstorfer, D.F.Fischer, A.Zitz:
„*Rock Bursting - A Nonlinear Dynamic Contact Problem*“, in „Numerical Methods in Geomechanics“ (W.Wittke, Ed.), A.A.Balkema, Rotterdam, 1979, 871-878.

158. F.G.Rammerstorfer, Ch.Jaquemar, D.F.Fischer, H.Wiesinger:
„*Temperature Fields, Solidification Progress and Stress Development in the Strand During a Continuous Casting Process*“, in „Numerical Methods in Thermal Problems“ (R.W.Lewis, K.Morgan, Eds.), Pineridge Press, Swansea, 1979, 712-722.

159. E.Ramm, F.G.Rammerstorfer, B.Brendel, R.E.Fastner:
„*Stabilität windbelasteter dünner Kreiszylinderschalen*“, Tagungsband Schalenbeultagung, Darmstadt, 1979, 125-139.

160. F.G.Rammerstorfer, D.F.Fischer, Ch.Jaquemar:
„*Nonlinear Analysis of the States of Stress and Deformation During a Metal Casting Process*“, MIT-Report 82448-9 (K.-J.Bathe, Ed.), 1979, 165-178.

161. F.G.Rammerstorfer, Ch.Jaquemar, D.F.Fischer, H.Wiesinger:
„*Thermal and Thermo-Mechanical Behaviour in the Shell of Continuously Cast Strands - Mathematical Approach*“, Proc. CCC'79, Linz, 1979.

162. D.F.Fischer, F.G.Rammerstorfer:
„*Zur nichtlinearen Spannungs- und Stabilitätsanalyse weitgespannter Kuppeldächer*“, Proc. VII. Int. FEM-Congr., Baden-Baden, 1979, 55-68.

163. F.G.Rammerstorfer, W.Mitter, D.F.Fischer, H.Steiner, G.Schatzmayr:
„*Zur Bestimmung der Eigenspannungen in Bauteilen bei Wärmebehandlung mit Phasenumwandlung*“, Berichtsband Fachtagung "Eigenspannungen", DGM, Bad Nauheim, 1979 , 181-207.

Contributions to Proceedings (*exteded abstracts*)

1. F. G. Rammerstorfer, F. Toth, F.D. Fischer:
"*Loss of Stability of Structures under Global Tension - Modeling and Simulation of Some Typical Examples*";
in: "*Abstracts of the 11th World Congress on Compuational Mechanics*" (WCCM XI), Barcelona 2014-07-20/25, CIMNE, Barcelona (2014), ISBN: 978-84-942844-7-2.

2. B. Daum, F. G. Rammerstorfer, F.D. Fischer, G. Dehm:
"*Buckling Phenomena Associated with Micro-Pillar Testing*";
in: "*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*", J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.); Wien (2012), ISBN: 978-3-9502481-9-7; Paper ID 4425.

3. M.A. Hartmann, M. Todt, D. Holec, P.H. Mayrhofer, O. Paris, F.D. Fischer, F. G. Rammerstorfer:
"*Atomistic Modeling of the Mechanical Stability Behavior of Fullerenes*";
in: "*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*", J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.); Wien (2012), ISBN: 978-3-9502481-9-7; Paper ID 5008

4. F. G. Rammerstorfer, C. Bilik:
"*Increase of Buckling Resistance of Thin-Walled Structures Without Changing Mass, Material, Geometry or Boundary Conditions*";
in: "*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*", J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.); Wien (2012), ISBN: 978-3-9502481-9-7; Paper ID 2756.

5. I.C. Skrna-Jakl, D. H. Pahr, F. G. Rammerstorfer:
"*Multiscale Computational Design of Large Scale Corrugated Core Sandwich Structures*";
in: "*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*", J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.); Wien (2012), ISBN: 978-3-9502481-9-7; Paper ID 1514.

6. F. Toth, M.J. Cordill, F.D. Fischer, F. G. Rammerstorfer:
"*Modeling and Simulation of an Experiment for Determining the Interface Strength Parameters of Thin Films on Compliant Substrates*";
in: "*CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*", J. Eberhardsteiner, H. J. Böhm, F. G. Rammerstorfer (ed.); Wien (2012), ISBN: 978-3-9502481-9-7; Paper ID 4219.

7. C. Bilik, F. G. Rammerstorfer:
"*Computational Design Tools for Increase of Buckling Resistance of Lightweight Structures*"; in: "Trends and Challenges in Computational Mechanics" (Padua 2011-

09-12/14), G. Zavarise, S. Reese (ed.); Universita degli Studi di Padova, (2011), ISBN: 978-88-96477-22-9; 139 - 140.

8. C. Bilik, D. H. Pahr, F. G. Rammerstorfer:
"*A Bead Laying Algorithm for Enhancing the Dynamic and Stability Behaviour of Thin Shell Structures*"; 37th Solid Mechanics Conference, Warschau; 2010-09-06 - 2010-09-10; in: "37th SolMech 2010 Book of Abstracts", Polish Academy of Science, Warschau (2010), 302 - 303.

9. N. Friedl, F. G. Rammerstorfer, F.D. Fischer, A. Noé:
"*Waviness of Thin Strips - Instabilities during Forming and Heat Treatment Processes*"; 5th International Conference on Computation of Shell and Spatial Structures, Salzburg ; 2005-06-01 - 2005-06-04; in: "Extended Abstracts of the 5th International Conference on Computation of Shell and Spatial Structures", E. Ramm, W.A. Wall, K.U. Bletzinger, M. Bischoff (ed.); (2005), Paper ID 137, 4 pages.

10. F. G. Rammerstorfer, T. Daxner, D. H. Pahr, W.K. Vonach:
"*Shell and Truss Structures on the Micro- and Meso-Level of Lightweight Materials*"; 5th International Conference on Computation of Shell and Spatial Structures, Salzburg ; 2005-06-01 - 2005-06-04; in: "Extended Abstracts of the 5th International Conference on Computation of Shell and Spatial Structures", E. Ramm, W.A. Wall, K.U. Bletzinger, M. Bischoff (ed.); (2005), Paper ID 132, 4 pages.

11. T. Daxner, M.H. Luxner, F. G. Rammerstorfer:
"*Thermo-Mechanically Interacting Composite Pipes Optimised by Genetic Algorithms*"; 11th European Conference on Composite Materials, Rhodos; 2004-05-31 - 2004-06-03; in: "*ECCM11 Book of Abstracts*", C. Galiotis (ed.); Vol.2 (2004), 43 - 44.

12. D. H. Pahr, C. Schuecker, F. G. Rammerstorfer, H. E. Pettermann:
"*Investigations of Perforated Laminates in the Presence of Residual Stress*"; 11th European Conference on Composite Materials, Rhodos; 2004-05-31 - 2004-06-03; in: "*ECCM11 Book of Abstracts*", C. Galiotis (ed.); Vol.1 (2004), 352 - 353.

13. D. H. Pahr, F. G. Rammerstorfer, P. Rosenkranz, K. Humer, H. W. Weber:
"*Numerical Investigations of Different Inter-Laminar Shear Strength Specimens*"; in: "*Proc. ICCE/8*", D. Hui (ed.); University of New Orleans, 2001, 709 - 710.

14. D.Pahr, M.Seitzberger, F.G.Rammerstorfer, H.J.Böhm, W.Billinger:
"*Global/Local Analysis of the Stiffness and Failure Behaviour of Perforated Laminates*", Proc. ICCE/7 (D.Hui, Ed.), New Orleans, 2000, 675-676.

15. W.Krach, F.G.Rammerstorfer, M.Buergi, V.Patella:
"*Three Dimensional Orthotropic Viscoelastic Finite Element Model of a Human Ligament*", Proc. 5th U.S. Nat. Congr. on Computational Mechanics (A.Carosio, P.Smolarkiewicz, K.Willam, J.Yang, Eds.), 1999, Book of Abstracts, 256-257.

16. F.G.Rammerstorfer, M.A.Stiftinger:
"*Theoretical and Experimental Studies on Wrinkling and Post-Wrinkling in Sandwich Composites*", Proc. ICCE/4 (D.Hui, Ed.), Hawai, 1997, 813-814.

17. A.F.Plankensteiner, H.E.Pettermann, F.G.Rammerstorfer:
„*Thermo-Elasto-Plastic Constitutive Laws used in Mesophase Unit Cell Models for Highly Heterogeneous MMCs*“, Proc. ICCE/4 (D.Hui, Ed.), Hawai, 1997, 787-788.

18. M.A.Stiftinger, A.Sajous, F.G.Rammerstorfer:
„*A Micro-Macro Approach for Predicting Delamination in Complex Composite Shell Structures*“, Proc. ICCE/2 (D.Hui, Ed.), New Orleans, 1995, 717-718.

19. V.A.Buryachenko, F.G.Rammerstorfer:
„*Micromechanics of elastic-plastic deformations of two-phase metal matrix composites*“, Proc. ICCE/2, (D.Hui, Ed.), New Orleans, 1995, 617-618.

20. F.G.Rammerstorfer, A.Starlinger, A.Svobodnik:
„*Local Effects Influencing the Nonlinear Global Behaviour of Composite Shells*“, Extended Abstract, EMC 292 „Modelling of Shells with Nonlinear Behaviour“, München, 1992.

21. W.Auli, F.G.Rammerstorfer:
„*The Finite Element Treatment of Parametric Resonances Under Conservative and Non-Conservative Loading*“, Proc. 10th U.S. Nat.Congr. of Applied Mechanics, Austin, 1986.