

List of Conference and Symposium Papers

1. Knezevic, J., "**MIRCE Science: Philosophy, Mathematics and Engineering**", pp. 3-25, Proceedings of 15th DQM International Conference on Life Cycle Engineering and Management, June 27-28, 2024, the DQM Research Centre, Prijevor, Serbia.
2. Knezevic, J., **Satellite Reliability**, 48 OMO maintenance Forum, Faculty of Mechanical Engineering, Belgrade, Serbia, 1-3 September 2023.
3. Knezevic, J., "**MIRCE Science Approach to the Royal Reliability Challenge**", 5th National Conference on Reliability and Safety Virtual Conference / Online, March 10 - 12, 2022, Organized by Society for Reliability and Safety (SRESA), Chennai Chapter & Centre of Excellence on Safety Critical Systems, IIT Madras NCRS 2022.
4. Knezevic, J., "**Mathematical and Physical Reality of Reliability**", 'Distinguished Speaker Series' on Quality, Reliability, Availability, Maintainability and Safety (GRAMS), organized by Subir Chowdhury School of Quality, at Indian Institute of Technology in Kharagpur, India. 15 January 2022
5. Knezevic, J., **MIRCE Science Based Predictions of Performance of Safety Critical Systems**, IRIS Webinar Series, IITM Research Initiatives Spotlight, 11 October 2021, Chennai, India.
6. Knezevic, J., **Accidents Avoidance: Reliability+Maintenance=Functionability**, Conference on Maintenance of Industrial Facilities and Buildings. Accidents Avoidance, 14-15 November 2019, Grand Hotel "Plovdiv", Bulgaria
7. Knezevic, J., **Physical Reality of Reliability Function – MIRCE Science**, SDT DEALERS' DAYS, 23-27 September 2019, Ghent, Belgium.
8. Knezevic, J., "**Reliability Improvement through the Reduction of Human Errors in Maintenance by Design**", 2019 Reliabilityweb.com, 6-10 May 2019, Seattle, USA.
9. Knezevic, J., "**MIRCE Science Based Operational Risk Assessment**", Proceedings of 4th International Conference on Reliability, Safety and Hazard (ICRESH-2019) Indian Institute of Technology Madras, Chennai, India, January 10-13, 2019
10. Knezevic, J., "**MIRCE Science Analysis of the Impact of Cosmic Radiation on Functionability Performance of Spacecraft**", SCON International Convention on Astro Physics and Particle Physics, 23-24 May 2019, Amsterdam, The Netherlands.
11. Knezevic, J., "**Cloud Computing as a Mechanism of the motion in MIRCE Science**", International Conference on Cloud Computing, Exeter, UK, 4-5 September 2018.
12. Knezevic, J., **Origin of MIRCE Science**, Maintenance FORUM, Institute za Istrazivanje u Privredi, 24-26 May 2018, Belgrade, Serbia.
13. Knezevic, J., "**Reliability Beyond First Failure**", 1st INTERNATIONAL CONFERENCE and 4th NATIONAL CONFERENCE ON "RELIABILITY AND SAFETY ENGINEERING" (INCRS-2018), PDPM Indian Institute of Information

Technology, Design and Manufacturing, Jabalpur & Society for Reliability and Safety(SRESA) Mumbai, Jabalpur, India, 26-28 February 2018.

14. Knezevic, J., **“Increasing Profitability and Reliability Through Failure Management”**, Proceedings of Maintenance 2016, pp.11-20, 22nd HDO International Conference, 16-18 May, 2016, Sibenik, Croatia,
15. Knezevic, J., **“Jack Hessburg: The World First Chief Mechanic”** , Proceedings of Maintenance 2016, pp.34-41, 22nd HDO International Conference, 16-18 May, 2016, Sibenik, Croatia,
16. Knezevic, J., **Functionability in Motion**, Proceedings of 1st DQM International Conference on Life Cycle Engineering and Management, Belgrade, 2010, pp. 10-25
17. Knezevic, J., **Contractor Logistics Support**, 13th International Symposium on System Operational Effectiveness, Woodbury, December 2002.
18. Knezevic, J., **System Operational Success – Friend or Foe**, LSC Symposium on Contractor Logistics Support, Woodbury, UK, November, 2003.
19. Knezevic, J., **System Operational Reality**, 12th International Symposium on System Operational Effectiveness, Woodbury, December 2002.
20. Knezevic, J., **Life Cycle Costing: Aerospace View**, London, 2002.
21. Knezevic, J., **System Operational Science for Military Logisticians**, Proceedings DBM-WoF, 2002 International Conference, Orlando, USA.
22. Knezevic, J., **Enhancing Military Logistics Support with Commercial Concepts**, Military Logistics Conference, SMI, 24-25 October 2001, London. UK
23. Knezevic, J., **System Effectiveness-Cutting Costs by Improving Efficiency**, Third Annual Conference on Supply Chain Management, SMI, 4-5 June, 2001, London
24. Knezevic, J., **System Operational Science**, Proceedings DBM-WoF, 2001 International Conference, Atlanta, June 2001, USA.
25. Knezevic, J., **Using Commercial Concepts to Enhance Your Military Logistics Education and Training**, Defence Logistics 2001, February 2001, Brussels
26. Knezevic J., **Advanced Education for Capability Enhancement in Supportability and Logistics**, Proceedings of the 16th International Logistics Congress, October 2000, Versailles, France.
27. Milovanovic, Z., Papic, Lj., Knezevic, J., **Modified Method for the Optimum Reliability Estimate of Condensing Thermal Power Plant**, Proceedings 10th International MIRCE Symposium, pp. 141-152, 5-7 December 2000, MIRCE Akademy, Exeter, UK

28. Kumar, D.U., Crocker, J., Knezevic, J., **Evolutionary Maintenance for Aircraft Engines**, Proceedings of the Annual Reliability and Maintainability Symposium, pp 62-68, 1999.
29. Papic, Lj., Knezevic, J. and Vasic, B., **Advanced Concepts of Reliability Accelerated Testing for Decreasing Systems Life Cycle Cost**, Proceedings, 7th International Symposium on System Operational Effectiveness, pp 427-437, December 1997, Exeter, UK
30. Papic, Lj., Knezevic, J., and Vujanovic, N., **Reliability Analysis of Computer Systems by FMEA Matrix Method**, Proceedings, 7th International Symposium on System Operational Effectiveness, pp 320-330, December 1997, Exeter, UK
31. Verma, D., T. Herald, and Knezevic, J., **Integration of Supportability Considerations into the System Engineering Process Through Focused Modelling and Simulation**, 2nd. Modelling, Simulation, and Virtual Prototyping Conference, pp 297-305, Arlington, Virginia, USA, November 1997.
32. Smith, C., Knezevic, J., **Supportability Analysis of Repairable Systems with Parallel Configurations**, Technical Proceedings, The 32nd Annual Logistics Conference, pp 366-380, August 1997, USA
33. Knezevic, J., **Supportability Engineering & Systems Effectiveness**, Technical Proceedings, The 32nd Annual Logistics Conference, pp 392-405, August 1997, USA
34. Knezevic J., **Impact of Logistics Support on System Effectiveness**, Proceedings, Integrated Logistics Support - Practical Experience & Policy, pp 1-10, DSRD Association, June 1997, UK
35. Knezevic, J., **Logistics, Industrial Reliability & Cost Effectiveness**, Proceedings, The Eighth NATO Symposium of Codification, May 1997, USA
36. Knezevic, J., **Reliability, Maintainability, Supportability, Key Requirements for Systems Automation**, Proceedings, International Conference on Innovative Technologies, pp 365-376, Design, Build and Manufacture Association, March 1997, USA
37. Kumar, D., Jain, R.K., & Knezevic, J., **Optimal Maintenance Policies for r-out-of-n Systems**, Proceedings of the 6th International M.I.R.C.E. Symposium, pp 153-164, 1996, Exeter, UK.
38. Knezevic, J., Papic, Lj., Aronov, J., **Advance Approaches to Reliability and Safety Assurance of Complex Systems Based on FMECA Method**, Proceedings of the 6th International M.I.R.C.E. Symposium, pp 58-75, 1996, UK.
39. Knezevic, J., Odoom, E.R., **Operational Reliability Improvements of Ships: Need, Status, Trends and Limitations**, pp. 78-89, Proceedings of the 6th International M.I.R.C.E. Symposium, pp 76-90, 1996, UK.

40. Knezevic, **Logistics Support Analysis-Today and Tomorrow**, ILCE-96, Proceedings pp 114-126, October, Paris, France.
41. Knezevic, J., Verma, D., **System Supportability Issues and Concerns in a Rapidly Evolving Technology Environment**, Proceedings SOLE 12th International Logistics Congress, pp181-189, September 1996, Athens, Greece.
42. Verma, D., Knezevic, J., **Development of a Fuzzy Requirements Matrix to Support Conceptual System Design**, Proceedings SOLE 12th International Logistics Congress, pp 339-345, September 1996, Athens, Greece.
43. Smith C., Knezevic J., **Supportability Analysis of Shared Strategic Resources**, 30th SOLE International Symposium, pp 119-130 Washington, DC, August 1996.
44. Knezevic, J., **Durability Driven Logistics Demand Analysis**, Proceedings 30 SOLE International Symposium, pp. 141-150, Washington DC, August 1996.
45. Knezevic, J., **Industry Driven Maintenance Education: An Academic Challenge**, Proceedings ICOM-96, paper 56, pp 1-5, May 96, Melbourne, Australia.
46. Knezevic, J., **Integrated Replacement Analysis for Reduction of Maintenance and Support Cost**, Proceedings ICOM-96, paper 25, pp1-6, May 96, Melbourne, Australia.
47. Knezevic, J. **Supportability Analysis: Today and Tomorrow**, Ministry of Defence, Science Conference, Oxford, March 1996.
48. Knezevic, J., **Inherent and Avoidable Ambiguities in Data Analysis**, SRD Assoc. Member's Technical Symposium, "Data, Information Decision Making", pp 31,39, AEA Conference, Risley, U.K., 28th February 1996.
49. Knezevic, J., **System Sparing Analysis Based on Mission Success**, Proceedings 3rd Annual Technical Conference-Florida Log'96, pp 1-8, February 1996, Orlando, USA.
50. Knezevic, J., El Haram, M., **Indicator and Predictor as Two Distinct Condition Monitoring Parameters**, Proceedings Advances in Logistics - Fifth International Symposium, pp 179-186, December 1995, Exeter, UK.
51. Knezevic, J., El Haram, M., **Predictor Based Maintenance Methodology**, Proceedings Advances in Logistics - Fifth International Symposium, pp 187-194, December 1995, Exeter, UK.
52. Knezevic, J., **Applied Probability Theory and Equipment Failure**, Proceedings of The International Conference on Total Logistics, Bello Horizonte, Brazil, 11-14th December 1995
53. Knezevic, J., **Integrated Replacement Analysis for Reduction of maintenance and Support Cost**, International Conference on Maintenance of Engineering Facilities in Developing Countries, Botswana, Africa, October 1995.

54. Knezevic, J., **Industry Driven Maintenance Education: An Academic Challenge**, International Conference on Maintenance of Engineering Facilities in Developing Countries, Botswana, Africa, October 1995.
55. Jiggins J., Knezevic, J., **Fuzzy Logic - A Possible LSA Tool**, 31st International Symposium Logistics Engineering, pp 151-171, San Antonio, USA, August 1995.
56. Knezevic, J., **Reduction of Support Cost Through Group Replacement of Independent LRU's**, 31st International Symposium Logistics Engineering, pp73-79, San Antonio, USA, August 1995.
57. Nicholas, C., Knezevic, J., **Availability: Cost-Benefit Analysis**, Proceedings of the European Safety Reliability Conference - ESREL '95, Bournemouth, pp 165-173, June 26-28 1995.
58. Blanchard, J. Knezevic, J., **The System Engineering Process, Vehicle for Integrated Logistics Requirements into Design**, Proceedings of the 11th International Logistics Congress, pp 1-12, Sweden, June 1995.
59. Knezevic, J., **Impact of Reliability on Effectiveness of LSA**, Proceedings of the 11th International Logistics Congress, pp 1-12, Sweden, June 1995.
60. Knezevic, J., **Mission Success Driven Space System Spare Analysis**, Proceedings 6th Space Logistics Symposium, pp-54-60, code AIAA-95-0911 February 1995, Houston, USA.
61. Knezevic, J., **Reliability Driven Space Logistics Demand Analysis**, Proceedings 6th Space Logistics Symposium, pp-61-66, code AIAA-95-0912, February 1995, Houston, USA.
62. Knezevic, J., **PROBCHAR II - Software and Science**, Proc. Advances in Logistics Symposium, pp. 50-60, Exeter, December 1994.
63. Smith, C., Knezevic, J., **The Effect of Availability of Shared Strategic Resources on System Availability**, Proc. Advances in Logistics Symposium, pp.111-127, Exeter, December 1994.
64. Knezevic, J., El-Haram, M., **Practical Application of the Condition-Based Approach to Monitoring Particle Size Distribution**, Proc. of COMADEM'94, pp. 162-168, New Delhi, September 1994.
65. Knezevic, J., **Extracting More Information from Empirical Maintainability Data**, 29th Annual International Logistics Symposium, Proc. pp.108-112, Anaheim, California, August 1994.
66. Knezevic, J., **Hazard Function Driven Readiness Based Sparing for One-for-One Inventory Policy**, 2nd Annual NAVSEA/NAVSUP International Logistics Symposium, Proc. pp 373-377, May 31 - June 3 1994.

67. Knezevic, J., Lee, S., **Application of Object-Oriented Systems Analysis (OSA) in Logistics Engineering**, 10th International Logistics Congress, Proc. pp.321-334, Exeter, U.K., March 1994.
68. Verma, D., Knezevic, J., **Conceptual System Design Evaluation: Handling the Uncertainty**, 10th International Logistics Congress, Proc. pp. 118-131, Exeter, U.K., March 1994.
69. Hunt, S., Knezevic, J., **Linear Programming Based Maintainability Allocation**, 10th International Logistics Congress, Proc. pp. 142-151, Exeter, U.K., March 1994.
70. El-Harem, M., Knezevic, J., **New Developments in Condition Based Approach to Reliability**, 10th International Logistics Congress, Proc. pp. 163-169, Exeter, U.K., March 1994.
71. Smith, C., Knezevic, J., **Optimal Utilisation of Shared Strategic Support Resources with Distributed Repair Time**, 10th International Logistics Congress, Proc. pp. 221-231, Exeter, U.K., March 1994.
72. Knezevic, J., **Concurrent Engineering, an Educational and Professional Challenge**, ILCE'94 Conference, Proc. pp. 325-330, Montpellier, February 1994.
73. Verma, D., Knezevic, J., **Application of Fuzzy Logic in the Assurance Sciences**, Proc. Reliability Maintainability Symposium, pp. 436-439, Los Angeles, January 1994.
74. Smith, C., Knezevic, J., **Optimal Utilisation of Shared Strategic Support Resources, with Constant Repair Time**, Proc. Advances in Logistics International Symposium, pp. 113-121, Exeter, December 1993.
75. Knezevic, J., **Extracting More Information From Existing Empirical Reliability Data**, Proc. Advances in Logistics Symposium, pp.61-68, Exeter, December 1993.
76. Knezevic, J., **Industry Driven Logistics Education: An Academic Challenge**, 2nd National Conference on Science Technology of National Defence, Proc. pp. 347-350, Taiwan, November 1993.
77. Knezevic, J., **Method for Maintainability Analysis in Concurrent Engineering Environment**, Proc. SOLE 28th Annual International Logistics Symposium, pp. 158-164, Colorado Springs, USA, August 1993.
78. Knezevic, J., .Dou D., **Failure Distribution Approach to Spare Modelling**, Proc. SoLE 28th Annual International Logistics Symposium, pp. 363-369, Colorado Springs, USA, August 1993.
79. Knezevic, J., Dou, D., **Principles of Time-Dependent Availability**, Proc. Advances in Logistics International Symposium, pp. E1-9, Exeter, July 1993.

80. Knezevic, J., Dou, D., **Initial/Mission Sparing based on Time-Dependent Availability**, Proc. Advances in Logistics International Symposium, pp. E2-10, Exeter, July 1993.
81. Knezevic, J., **Outline of Failure Distribution Approach to Logistic Support Analysis**, Proc. 5th Space Logistics Symposium, pp. C4-C21, Huntsville, USA, May 1993.
82. Knezevic, J., **Application of Time-Dependent Availability to Initial Spares**, Proc. 5th Space Logistics Symposium, pp. B4-B11, Huntsville, Alabama, USA, May 1993.
83. Knezevic, J., **Reliability Modelling under Non-Constant Failure Rate**, Proc. International Conference on Industrial Logistics, Paper 6.3, France, July 1993
84. Knezevic, J., Dou, D., **Sparing for Successful Off-Shore Mission**, Proc. ASNE Logistics Symposium, Seattle, U.S.A., 17-18 March 1993.
85. Knezevic, J., **Maintainability Prediction - Fast Track Calculation**, Proc. 26th International Logistics Conference, pp. 167-172, Indianapolis, USA, August 1992.
86. Knezevic, J., Exeter **Approach to Logistics Education and Training**, Proc. Advances in Logistics International Symposium, pp. 1-10, Centre for MIRCE, Exeter University, Exeter, UK, July 1992.
87. Knezevic, J., Dou, S., Lee, S., **Application of Dynamic Programming to Spares Modelling**, Proc. Advances in Logistics International Symposium, Centre for MIRCE, pp. 11-26, Exeter University, Exeter, UK, July 1992.
88. Knezevic, J., Lee, S., **The Effect of Improving Availability in the Concurrent Engineering Environment, CE/CALS**, Washington '92 Conference/Exposition, pp. 375-386, Washington, USA, June 1992.
89. Knezevic, J., Dou, D., **Time-Dependent Availability**, Proc. 8th International Logistics Congress, pp. 1-10, Madrid, April 1992, Spain.
90. Knezevic, J., Nicholas, C., New **Horizons in UK Logistics Education - A Modular Approach to Life Cycle Engineering**, Proc. 8th International Logistics Congress, 10 pages, Madrid, April 1992, Spain.
91. Pourzanjani, M., Knezevic, J., **Life Cycle Design for Marine Vehicles**, Proc. of Ship Production Symposium, San Diego, USA, 1991.
92. Knezevic, J., **Accuracy of Reliability and Maintainability Modelling for Subsystems and Systems**, Reliability 91, International Conference on Reliability, Proc. pp. 499-505, edited by R.H. Matthews, Elsevier Applied Science, London, UK, June 1991.
93. Knezevic, J., **Measures of Logistics and International Competition**, Proc. 7th International Logistics Congress, pp. 123-136, Society of Logistics Engineers, Paris, France, April, 1991.

94. Knezevic, J., **Reliability Modelling of the Systems Whose Components Have Non-Constant Failure Rate**, Space Product Assurance for Europe in the 1990s, European Space Agency, Proc. ESA Symposium, pp. 249-253, Nordwijk, Holland, April 1991.
95. Knezevic, J., **Accurate Assessment of Reliability and Maintainability Characteristics**, Conference on Rotorcraft Reliability and Maintainability - Future Design Requirements, pp. 7-12, The Royal Aeronautical Society, London, UK, March, 1991.
96. Knezevic, J., Dou, D., and Lee S., **Determination of Initial Spare Requirements**, Proc. Operational Research Conference, University of Salford, UK, December 1991.
97. Swan, D., Walters, G.A., Knezevic, J., **The Influence of Load Diversity on Gas Network Design**, International Conference, Budapest, Hungary, October, 1990.
98. Knezevic, J., Logistics Today: **Mean Value, Logistics in Future: Entire Distributions**, Proc. 25th International Symposium, pp. 163-167, Phoenix, USA, August 1990.
99. Knezevic, J., **Efficiency Enhancement by 'EXETER' Approach to ILS**, Proc. 6th International Logistics Congress, pp. 203-215, Montreal, Canada, April 1990.
100. Knezevic, J., **Preliminary Study of Life Cycle Design of Motor Vehicle**, Proc. XIII International Conference on Science and Motor Vehicles, September 1989, Belgrade, Yugoslavia.
101. Barros, L., Knezevic, J., **Least Cost Support Policy With Design Interdependencies and Fixed Charges**, Proc. 5th International Congress of The Society of Logistics Engineers, pp. 178-185, April 5-6, 1989, London, UK.
102. Knezevic, J., **Real-Time Operational Reliability**, Proc. Sixth EuroData Conference, edited by V.Colombari, pp 710-715, Springer-Verlag, March 14-16, 1989, Sienna, Italy.
103. Flower, J.O. Knezevic, J., Pourzanjani, M.M.A., **A New Approach Towards a More Reliable Ship Machinery; Group Replacement Strategy'**, Proc. of the NAV'88-WEMT'88 Symposium on Advances in Ship Operations, 12-14 October 1988, Trieste, Italy.
104. Knezevic, J., **Inspection and Examination Two Different Condition Monitoring Activities**, Proc. of the 1st Seminar on 'Condition Monitoring and Diagnostics Engineering Management', 19-21 September 1988, Birmingham, UK
105. Knezevic, J., Walters, G.A., **Group Replacement of Components Within the Same Sub-network**, Proc. Symposium on Reliability-Based Design in Civil Engineering, Lausanne, Switzerland, July, 1988.
106. Walters, G.A., Knezevic, J., **The Influence of Reliability on the Layout and Design of Water Distribution Networks**, Proc. Symposium on Reliability-Based Design in Civil Engineering, Lausanne, Switzerland, July, 1988

107. Knezevic, J., **On the Application of a Condition Parameter Based Reliability Approach to Automobile Maintenance**, Proc. 4th International Conference on Automobile Reliability, Prague, Czechoslovakia, June 1988.
108. Knezevic, J., Henshall, L., **I Subjected to Creep Cracking Using a Condition Parameter Based Reliability Approach**, Proc. of the Conference 'Materials and Engineering Design', London, UK, 9-13 May 1988.
109. Knezevic, J., **Calculation of Reliability Characteristics in the Case of Corrosion Using the RCP-based Approach**, Proc. 10th Advances in Reliability Technology Symposium, NCSR, University of Bradford and UMIST, Bradford, UK, 6-8 April, 1988.
110. Knezevic, J., **Description of Continuous Change in Condition of Engineering Systems by Relevant Condition Parameter**, Proceedings International Symposium on 'Risk Analysis in Environmental Impact Assessment', Milan, Italy, November 1987.
111. Knezevic, J., **Dynamic Control of Maintenance Providing Required Reliability with Extending Operating Life**, Proceedings 4th International Maintenance Conference, Cincinnati, USA, September 1987.
112. Knezevic, J., **Reduction of Maintenance Cost by Group Replacement of Components from the Same Level of Access**, Proceedings IX International Conference on Production Research, Cincinnati, USA, August 1987.
113. Knezevic, J., **On the Application of a Condition Parameter Based Reliability Approach to Pipeline System Maintenance**, Proc. 2nd International Conference on Pipes, Pipelines and Pipe Line Systems, Utrecht, Holland, June 1987.
114. Brookes, C.A., Bland, R.J., Belmont, M., Knezevic, J., **Dynamic Control of Maintenance Processes for Electric Vehicle Components**, Proceedings of XXI FISITA Congress, June, 1986, Belgrade, Yugoslavia .
115. Knezevic, J., **Required reliability level as the optimisation criterion**, Proceedings of 9th Advances in Reliability Technology Symposium, Bradford, 1986, England, also published in Maintenance Management International, Elsevier, Vol. 6, No.4, March 1987.
116. Knezevic, J., **Some Possibilities for Monitoring the Technical Condition of Engineering Systems**, Proc. Scientific Congress: Industrial Systems -IS '84, Novi Sad, Yugoslavia, 1984.
117. Knezevic, J., **Diagnostics and Inspection as two Different Processes**, Proc. Scientific Congress: Maintenance '84, Cetinje, Yugoslavia, 1984.
118. Knezevic, J., **A Contribution to Analysis of Component Replacement Combined System in Motor Vehicles**, TEHNIKA-Engineering No.9, pp.7-10, 1983.

119. Knezevic, J., **Basic Recommendations for Forming a System for Operating a Restoring Process of Motor Vehicles**, Proc. Scientific Congress: Science and Motor Vehicles, Opatija, Yugoslavia, 1983.
120. Knezevic, J., **A Contribution to the Analysis of a Vehicle Part Replacement System**, Proc. Scientific Congress: Engines and Motor Vehicles, Kragujevac (Yu.), 1982.
121. Knezevic, J., **Analysis of Reliability of Bus Hydro-mechanical Transmission**, Proc. 4th Symposium of Transmission, Belgrade, Yugoslavia, 1982.
122. Knezevic, J., **Methods for the Determination of the Characteristics of the Process of Renewal**, Proceedings of 9th Congress of SYN OP IS, pp.199-211, Herceg Novi, Yugoslavia, 1982.
123. Knezevic, J., **Testing Grapho-Analytical Method for Determination Acceleration Time of Passenger Cars**, Proc. Scientific Congress: Engines and Motor Vehicles, Kragujevac, Yugoslavia, 1981.

List of Conference Organising Activities

Chairman of the, 32nd MIRCE International Symposium, "MIRCE Science Theory Ready for Applications", Woodbury Park, Exeter, UK, 7 December 2022.

Chairman of the, 31st MIRCE International Symposium, which did not take place due to COVID-19 pandemic.

Chairman of the, 30th MIRCE International Symposium, "Impact of COVID-19 on the Industrial Reliability, Cost and Effectiveness of Functionable Systems", Woodbury Park, Exeter, UK, 15 December 2020.

Chairman of the 29th MIRCE International Symposium, "Maintaining Functionability Performance", December 2019, at Woodbury Park, Exeter, UK.

Chairman of the 8th World Congress of MIRCE Science, 26-28 June, 2019, at Woodbury park, Exeter, UK.

Chairman of the 7th World Congress of MIRCE Science, 19-21 June 2018, Woodbury Park, Exeter, UK.

Chairman of the, 27th MIRCE International Symposium, Reliability Beyond First Failure, 14-16 December 2017, Woodbury Park, Exeter, UK.

Chairman of the, 6th World Congress of MIRCE Science, 13-15 June 2017, Woodbury Park, Exeter, UK.

Chairman of the, 26th MIRCE International Symposium, Science Based Functionability Management, 13 - 15 December 2016, Woodbury Park, Exeter, UK.

Chairman of the, 5th World Congress of Mirce Mechanics, 1 -3 June 2016, Woodbury Park, Exeter, UK.

Chairman of the, 25th MIRCE International Symposium, In-service Reliability, 8 - 9 December 2015, Woodbury Park, Exeter, UK.

Chairman of the 4th World Congress of Mirce Mechanics, 19 - 21 May 2015, Woodbury Park, Exeter, UK.

Chairman of the 24th MIRCE International Symposium on Maintaining Operational Effectiveness, 2 - 4 December 2014, , Woodbury Park, Exeter, UK.

Chairman of the 3rd World Congress of Mirce Mechanics, 3 - 5 June 2014, , Woodbury Park, Exeter, UK.

Chairman of the 23rd MIRCE International Symposium on Functionability Management, 3 - 5 December 2013, Woodbury Park, Exeter, UK.

Chairman of the, 2nd World Congress of Mirce Mechanics, 10 -12 June 2013, Woodbury Park, Exeter, UK.

Chairman of the 22nd MIRCE International Symposium on Applied Mirce Mechanics. 5 -7 December, 2012, Woodbury Park, Exeter, UK.

Chairman of the 1st World Congress of Mirce Mechanics, 28 - 30 May 2012, Woodbury Park, Exeter, UK.

Chairman of the 21st MIRCE International Symposium on "MIRCE Mechanics - A Key for Effective In-service Support", 5-7 December 2011, Woodbury Park, Exeter, UK.

Chairman of the 20th MIRCE International Symposium on "In-service Cost Reduction, Through Failure Management, 7-9 December, 2010, Woodbury Park, Exeter, UK.

Chairman of the 3rd International Symposium on Understanding Machine Failures, 2-4 March, 2011, Woodbury Park, Exeter, UK

Chairman of the 2nd International Symposium on Understanding Human Limitations and Errors, 7-9 February 2011, Woodbury Park, Exeter, UK

Chairman of the 2nd International Symposium on "Understanding Machine Failures", 7-9 June 2010, Woodbury Park, Exeter, UK.

Chairman of the 19th MIRCE International Symposium on Engineering and Managing Sustainability - A Reliability, Maintainability and Supportability Perspective, 2 - 3 December 2009, Woodbury Park, Exeter, UK.

Chairman of the 18th MIRCE International Symposium, Theme " Achieving Performance Targets at Least Cost", 3-5 December 2008, Woodbury Park, Exeter, UK.

Chairman of the International Symposium on Maintenance Task Dynamics, 20 - 22 October 2008, Woodbury Park, Exeter, UK.

Chairman of the International Symposium on Impact of Natural World on Machine Failures, 9 - 11 June, 2008, Woodbury Park, Exeter, UK.

Chairman of the 17th MIRCE International Symposium, Mirce-Mechanics, Science & Application, 6-7 December 2007, held at Woodbury Park, Exeter, UK

Chairman of the International Symposium on: Understanding Human Limitations & Errors, 24 - 25 September 2007, held at Woodbury Park, Exeter, UK. Dedicated to the memory of the late 1995 World Rally Champion Colin McRae MBE.

Chairman of the International Symposium on: Understanding Machine Failures, 3 - 5 June, 2007, held at Woodbury Park, Exeter, UK.

Chairman of the 16th International MIRCE Symposium, Managing In-service Reliability, Cost and Effectiveness, 6-8 December 2006, Woodbury Park, Exeter, UK.

Chairman of the International Symposium on Prognostics and Health Monitoring, in conjunction with CALCE-University of Maryland, 9-11 July 2006, Woodbury Park, Exeter, UK.

Chairman of the 15th International MIRCE Symposium, Methods for Accurate Cost Prediction for Contractor Logistic Support (CLS), 30 November – 2 December 2005, Woodbury Park, Exeter, UK.

Chairman of the 14th International MIRCE Symposium, Effective System and Process Management, 1–3 December 2004, Woodbury Park, Exeter, UK.

Chairman of the 13th International MIRCE Symposium, System Supportability – A 21st Century Business Winner, 1 – 3 December 2003, Woodbury Park, Exeter, UK.

Chairman of the 11th International MIRCE Symposium, Data, Information and Knowledge Management, 4–6 December 2001, Woodbury Park, Exeter, UK.

Chairman of the 12th International Symposium, “System Operational Effectiveness”, organised by MIRCE Academy, Woodbury, UK. 2002.

Session Chairman: Government Logistics & Security, DBM-WoF 2002 International Conference, Orlando, June, USA.

Chairman of the Third Annual Conference on Supply Chain Management, SMI, 4-5 June, 2001, London. UK

Session Chairman: Logistics Engineering & Systems Integration, DBM-WoF 2001 International Conference, Atlanta, June, USA.

Chairman of the 11th International Symposium, “System Operational Effectiveness”, organised by MIRCE Academy, Woodbury, UK. 2001.

Chairman of the 10th International Symposium, “System Operational Effectiveness”, organised by MIRCE Academy, Woodbury, UK. 2000.

Session Chairman: Logistics Engineering & Systems Integration, DBM-WoF 2000 International Conference, Atlanta, June, USA.

Chairman of the 9th International Symposium, “System Operational Effectiveness”, organised by MIRCE Academy, Woodbury, UK. 1999.

Track Chairman of the Supportability Engineering Track at 33rd SOLE International Symposium, Las Vegas, USA, 1999.

General Chairman of the 15th International Logistics Congress, organised by the Society of Logistics Engineers, held at Woodbury, Exeter, UK, 1999

Session Chairman: Logistics Engineering & Systems Integration, DBM-WoF 1999 International Conference, Orlando, June, USA.

Track Chairman of the Supportability Engineering Track at 32nd SOLE International Symposium, Seattle, USA, 1998.

Session Chairman: Logistics Engineering & Systems Integration, DBM-WoF 1998 International Conference, Phoenix, June, USA.

Chairman of the 8th International Symposium, “System Operational Effectiveness”, organised by Research Centre M.I.R.C.E., Woodbury, UK. 1998

Chairman of the 7th International Symposium, “System Operational Effectiveness”, organised by Research Centre M.I.R.C.E., Woodbury, UK. 1997.

Session Chairman: Logistics Engineering & Systems Integration, DBM-WoF 1997 International Conference, Los Angeles, March, USA.

Track Chairman of the Supportability Engineering Track at 32nd SOLE International Symposium, Orlando, USA, 1997.

Chairman of the 6th International Symposium, “Advances in Logistics”, organised by Research Centre M.I.R.C.E., Exeter, UK. 1996

Member of the Technical Committee, International Conference on Advanced Procurement and Logistic Support, London, UK, 1996.

Chairman of the 5th International Symposium, “Advances in Logistics”, organised by Research Centre M.I.R.C.E. Exeter University, Exeter, UK. 1995

Member of the Technical Committee of the International Conference on Industrial Logistics, Belo Horizonte, Brazil, 1995.

Chairman of the 4th International Symposium, “Advances in Logistics”, organised by Research Centre MIRCE, Exeter University, Exeter, UK. 1994

General Chairman of the 10th International Congress of Logistics Engineers, organised by the Society of Logistics Engineers, held at Exeter University, Exeter, UK, 1994.

Chairman of the 3rd International Symposium, “Advances in Logistics”, organised by Research Centre MIRCE, Exeter University, Exeter, UK, 1994

Member of the Technical Committee of the International Conference on Industrial Logistics, University of Rennes, France, 1993.

Chairman of the 2nd International Symposium, “Advances in Logistics”, organised by Research Centre MIRCE, Exeter University, Exeter, UK, 1993

Chairman of the 1st International Symposium, “*Advances in Logistics*”, organised
by Research Centre M.I.R.C.E., Exeter University, Exeter, UK, 1992

Honours and awards

- 2010 **Lifetime Achievement** for “Global leadership and pioneering research excellence in MIRCE Science”, Society for Safety and Reliability, Mumbai, India
- 1998 **Best International Paper in 1998**, awarded by Society of Logistics Engineers, USA, for the paper *System Operational Effectiveness*, presented 14th International Congress, November, Sun City, South Africa.
- 1996 **Eccles Medal** presented by Society of Logistics Engineers, USA to recognise the *outstanding achievement to the development of logistics education at postgraduate level*.
- 1995 **Best International Paper in 1995**, awarded by Society of Logistics Engineers, USA, for the paper Extracting More Information From Empirical Maintainability Data, presented at 29th Annual International Logistics Symposium, USA, California, August 22, 1995.
- 1994 **Best International Paper in 1994**, awarded by Society of Logistics Engineers, USA, for the paper Linear Programming Based Maintainability Analysis, authored with S. Hunt, presented at the 10th International Logistics Congress, Exeter, UK, 1994.
- 1994 **Prize Paper Proceedings-Honorary Mentioning**, for the paper published in U.S.A. in 1994 awarded by the Society of Logistics Engineers, U.S.A. for the paper Methods for Maintainability in Concurrent Engineering, presented at 27th International Logistics Conference, Colorado Springs, USA, 1993.
- 1994 **Certificate of Commendation**, for attracting the 1,000th student on short courses, awarded by the Department of Continuing and Adult Education.
- 1993 **Armitage Medal**, for outstanding contribution to the Logistics Literature, awarded by the Society of Logistics Engineers, USA, for the book Reliability, Maintainability and Supportability, published by McGraw-Hill, 1992.
- 1993 **Life Membership**, of Logistics Education Foundation, of the Society of Logistics Engineers, USA.
- 1992 **Best International Paper in 1992**, for paper Time-based Availability, awarded by Society of Logistics Engineers, presented at 8th International Logistics Congress, Madrid, Spain, 1992.
- 1990 **Certificate of Commendation**, for the Promotion of Logistics Training in UK, by the Society of Logistics Engineers.

List of Invited Keynote Addresses and Lead Seminars

- Key note presentation at 27th DQM Conference, **From Reliability to Functionability**, Prijevor, Cacak, Srbija, 26-27 Juni, 2025.
- Key note presentation at DEMI2025, **Mirce Science: Engineering and Management**, 17 International Conference on Accomplishments in Mechanical and Industrial Engineering, Banja Luka, Republika Srpska, 29-30 May, 2025.
- Space Science Conference, 14 April 2024, organised by Africa Space Foundation, Keynote speaker (virtual talk), "**Scientifically Spacing: Evidence Based and Sustainable Space Program for All**".
- INTERNATIONAL CONFERENCE ON RELIABILITY SAFETY AND HAZARD, 21-24 February 2024, Mumbai, India, Keynote addresses, "**MIRCE Science: Solar Storm as a Mechanism of Motion of Autonomous Systems through MIRCE Space**"
- International Conference on Safety, Health and Analytics-Driven Governance for Sustainable Development (SHADG 2024), Excellence in Safety Engineering and Analytics (CoE-SEA), IIT Kharagpur, 29-30 January 2024, Keynote "**MIRCE Science Archive of Safety, Reliability and Maintenance for Analytics-Driven Decisions**".
- SRESA Distinguished Speaker Talk: **Experiential, Mathematical & Physical Reality of In-service Reliability**, Society for Reliability & Safety (SRESA) and Indian Institute for Risk & reliability (IIRR), 20 August 2022 Mumbai, India.
- Keynote Speaker: **Physical and Mathematical Reality of Reliability**, Time4Quality, International Conference, IIPP, Budva, Montenegro, 2-4, June 2022.
- Invited Speaker: **Mathematical and Physical Reality of In-service Reliability**, Indian Structural Integrity Society (InSIS), Monthly webinar, 16 April 2022, Chennai, India.
- Keynote Speaker: **MIRCE Science Approach to the Royal Reliability Challenge**, 5th SRESA National Conference on Reliability & Safety Engineering (NCRS 2022), March 10-12, 2022, Chennai, India.
- 'Distinguished Speaker Series' on Quality, Reliability, Availability, Maintainability and Safety (QRAMS), "**Mathematical and Physical Reality of Reliability**", Subir Chowdhury School of Quality, Indian Institute of Technology in Kharagpur, 15 January 2022, India.
- Invited Speaker: Indian Institute of Technology Madras, IRIS Webinar Series Institute of Eminence, Safety science & Systems, **MIRCE Science Based**

**Predictions of Performance of Safety Critical Systems, 11 October 2021,
Madras, India**

- Keynote Speaker: **Reliability + Maintenance = Functionability**, Conference for Maintenance of Industrial Facilities and Buildings – Accident Prevention, 14-15 November 2019, Plovdiv, Bulgaria.
- Keynote Speaker: **Physical Reality of Reliability Function – MIRCE Science**, SDT Dealers Days, 23-27 September 2019, Ghent, Belgium.
- Keynote Speaker: **Maintenance + Reliability = Business**, 4th Maintenance Forum, 5-8 June 2019, Montenegro, Budva, IIPP.
- Keynote Speaker; **MIRCE Science Analysis of the Impact of the Cosmic Radiation on Functionability Performance of Spacecraft**, SCON International Convention on Astro Physics and Particle Physics May 23-24, 2019, Amsterdam, Netherlands
- Keynote Speaker: **Reliability + Maintenance = ???**, The Reliability Conference, 6 – 10 May, 2019 Bellevue , Seattle, Washington, USA
- Keynote Speaker: **MIRCE Science Based Operational Risk Assessment**, 4th International Conference on Reliability, Safety and Hazard, 10-13 January 2019, organized by Bhabha Atomic Research Centre, Indian Institute of Technology, Madras, CALCE, University of Maryland, USA and Society for Reliability and Safety, Chennai, India.
- Keynote Speaker: **Cloud Computing as a Mechanism of the Motion in MIRCE Science**, 8th International Conference on Cloud Computing, 4. September 2018, Exeter, UK
- Invited Speaker: **The Origin of MIRCE Science**, 4th Maintenance Forum, IIPP, 24-26 May, 2018, Belgrade, Serbia
- Keynote Speaker: **Reliability Beyond the First Failure**, 4th NATIONAL CONFERENCE ON RELIABILITY AND SAFETY ENGINEERING, 26-28 FEBRUARY, 2018 (Jointly Organized by PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur & Society for Reliability and Safety(SRESA) Mumbai, India
- Commemorative Lecture: **Tribute to Professor Arie Dubi GFMA (1945-2015)** MIRCE Academy, 27th MIRCE International Symposium, December 2017, Woodbury Park, Exeter, UK
- Keynote Speaker: **Modelling the Motion of Maintainable System Type through Mirce-Space**, MIRCE Academy, 6th Worlds Congress of MIRCE Science, 13-15 June 2017, Woodbury Park, Exeter, UK

- Keynote Speaker: **Job of Maintenance Community is to Maximise Functionability Performance**, 3rd Maintenance Forum, IIPP, 24-26 May 2017, Budva, Montenegro
- Keynote Speaker: **Functionability and Profitability** MIRCE Academy, 26th MIRCE International Symposium, December 2016, Woodbury Park, Exeter, UK
- Keynote Speaker: **Science & Mathematics of Cumulative Actions**, MIRCE Academy, 5th Worlds Congress of MIRCE Science, 3 June 2016, Woodbury Park, Exeter, UK
- Keynote Speaker: **Science & Mathematics of Potential Actions**, MIRCE Academy, 5th Worlds Congress of MIRCE Science, 2 June 2016, Woodbury Park, Exeter, UK
- Keynote Speaker: **Science & Mathematics of Inherent Actions**, MIRCE Academy, 5th Worlds Congress of MIRCE Science, 1 June 2016, Woodbury Park, Exeter, UK
- Keynote Address: **Increasing Profitability and Reliability through Failure Management**, Maintenance 2016, HDO International Conference, 16-18 May, 2016, Sibenik, Croatia,
- Invite Talk: **“Jack Hessburg: The World First Chief Mechanic”**, Maintenance 2016, 22nd HDO International Conference, 16-18 May, 2016, Sibenik, Croatia,
- Keynote Address: **Troubleshooting as a Mechanism of the Motion in Mirce Mechanics**, MIRCE Academy, 25th MIRCE International Symposium, 8-9 December 2015, Woodbury Park, Exeter, UK
- Keynote Speaker: **MIRCE Supportability Equation**, MIRCE Academy, 4th Worlds Congress of MIRCE Science, 21 May 2015, Woodbury Park, Exeter, UK
- Keynote Speaker: **MIRCE Maintainability Equation**, MIRCE Academy, 4th Worlds Congress of MIRCE Science, 20 May 2015, Woodbury Park, Exeter, UK
- Keynote Speaker: **MIRCE Operability Equation**, MIRCE Academy, 4th Worlds Congress of MIRCE Science, 19 May 2015, Woodbury Park, Exeter, UK
- Keynote Speaker: **Impact of Thermography on Safety, Reliability and Profitability of Maintainable Systems**, Infrared Institute Open Day, 22 January 2015, Liverpool, UK

- Keynote Presentation: **Maintaining Operational Effectiveness – Concept, Philosophy and Method**, MIRCE Akademy, Exeter, 24th MIRCE International Symposium, December 2014, Woodbury Park, Exeter, UK
- Commemorative Lecture: **Ayrton Senna – The First Mirce Mechanic**, MIRCE Akademy, Exeter, 3rd Worlds Congress of MIRCE Science, June, 2014, Woodbury Park, Exeter, UK
- Opening Address: **Mirce Mechanics: Philosophy & Mathematics**, MIRCE Akademy, Exeter, 3rd Worlds Congress of MIRCE Science, June, 2014, Woodbury Park, Exeter, UK
- Commemorative Lecture; **Jack Hessburg - My Professional Idol and Personal Friend**, MIRCE Akademy, Exeter, 23rd MIRCE International Symposium, December 2013, Woodbury Park, Exeter, UK
- Keynote Presentation: **System Engineering Trade-off: Functionality vs. Functionability** MIRCE Akademy, Exeter, 23rd MIRCE International Symposium, December 2013, Woodbury Park, Exeter, UK
- Keynote Speaker: **Impact of Maintenance Cost on Business Plan and Profit**, GSK, SME Maintenance International Forum, 19 - 21 November, 2013, SPA FRANCORCHAMPS, Belgium
- Opening remarks: **Mirce Mechanics: Philosophy, Science, Mathematics, Computation, Technology, Applications, Education, Training and Research Opportunities**. MIRCE Akademy, Exeter, 2nd Worlds Congress of MIRCE Science, 10-12 June, 2013, Woodbury Park, Exeter, UK
- Keynote Speaker, **Maintenance: Management of Functionability and Provision of Profit**, Maintenance Manager van het jaar 2013, Donderdag 13 June 2013 in Sint-Lambrechts-Woluwe, Brussels, Belgium.
- Keynote Speaker: **Maintenance: Management of Functionability and Provision of Profit**, Missa inte detta historiska, Årets Underhållsevenemang, Måndag 27:e maj på Clarion Hotel Stockholm, och Tisdag 28:e maj på Friends Arena i Stockholm, Sweden.
- Keynote Speaker: **Maintenance: Management of Functionability and Provision of Profit**, Danish Maintenance Society, 14-16 May, 2013, Frederice, Denmark
- Master class: **Transition from ILS Management to Supportability Engineering Function**, MIRCE Akademy, Exeter, 22nd MIRCE International Symposium, December 2012, Woodbury Park, Exeter, UK
- Keynote Speaker: **Science-Based Approach to System Effectiveness**, MIRCE Akademy, Exeter, 22nd MIRCE International Symposium, December 2012, Woodbury Park, Exeter, UK

- Keynote Speaker: **What is Mirce Mechanics Good For?** MIRCE Akademy, Exeter, 1st Worlds Congress of MIRCE Science, 28-20 May, 2012, Woodbury Park, Exeter, UK
- Keynote Speaker: **Maintenance: Management of Failures and Provision of Profit**, Euromaintenace Conference 14-16 May, 2012, Belgrade, Serbia
- Invited Speaker: **Scientific Theory for Delivery Aircraft on Time**, Airbus, Bremen, Germany, 2012.
- Keynote Speaker: **Impact of Commonality on Effective In-service Support, The New Boeing 787 Dreamliner Story** , MIRCE Akademy, Exeter, 21st MIRCE International Symposium, 5 – 7 December 2011, Woodbury Park, Exeter, UK
- Round table: **Guaranteed In-service Support Cost - Marketing Propaganda or Engineering Reality?** MIRCE Akademy, Exeter, 21st MIRCE International Symposium, 5 – 7 December 2011, Woodbury Park, Exeter, UK
- Master Class: **Support Task Dynamics**, MIRCE Akademy, Exeter, 21st MIRCE International Symposium, 5 – 7 December 2011, Woodbury Park, Exeter, UK
- Keynote Speaker: **Physical Scale of Reliability**, 1st International Conference on Reliability, Safety and Hazard, 14-16 December 2010, organized by BARC; Centre for Advanced Life Cycle Engineering, University of Maryland, USA; IEEE Reliability Society, International Institute of Information Technology, Pune and Society for Reliability and Safety, Mumbai, India.
- Keynote Speaker: **System Operational Science**, 9th International Symposium, "*System Operational Effectiveness*", organised by MIRCE Akademy, Woodbury, UK. 1999.
- Keynote Speaker: **Impact of Logistics on Systems Operational Effectiveness**, 14th International Logistics Congress, Sun City, November 1998, South Africa.
- Workshop Leader: **System Operational effectiveness**, 14th International Logistics Congress, Sun City, November 1998, South Africa.
- Workshop Leader: **Supportability Engineering Analysis** at 33rd Annual International Logistics Conference, Seattle, August 1998
- Track Chairman: **Supportability Engineering** at 33rd Annual International Logistics Conference, Seattle, August 1998.

- Keynote Speaker: System **Operational Effective - Academic View**, International Symposium, organised by the Society of Logistics Engineers, Exeter District, Woodbury, UK, 1997
- Plenary Speaker: on the 32nd Annual International Logistics Conference, Orlando, Florida, August 1997
- Leader of Round Table Panel: **Future of Supportability Engineering**, 32nd Annual International Logistics Conference, Orlando, Florida, August 1997.
- Workshop Leader: **Supportability Engineering Analysis**, 32nd Annual International Logistics Conference, Orlando, Florida, August 1997.
- Track Chairman: **Supportability Engineering**, 32nd Annual International Logistics Conference, Orlando, Florida, August 1997.
- Research Seminar, **Systems Operational; Effectiveness**, Johnson Control, July 1997, Milwaukee, USA.
- Research Seminar, **Systems Engineering Education - EXETER Approach**, Bandung University, Department of Industrial Engineering, April 1997, Bandung, Indonesia.
- Research Seminar, **Systems Engineering-Life Cycle Approach**, ATPN, Reliability Division, April 1997, Bandung, Indonesia.
- Research Seminar, **Systems Engineering Education - EXETER Approach**, University of Piraeus, School of Management, April 1997, Athens, Greece.
- Track Chairman: at DBM, Conference on Innovative Technologies in Warehousing and Distribution 1997, Track **Theme Logistics Engineering & Systems Engineering**, March 1997, Los Angeles, USA.
- Workshop Leader: **Reliability, Maintainability & Supportability, Key Systems Requirements for Automation**, DBM Conference on Innovative technologies in Warehousing and Distribution 1997, March 1997, Los Angeles, USA.
- Keynote Speaker, **Supportability Engineering-MIRCE Experience**, Inaugural Meeting of Supportability Engineering Division, Society of Logistics Engineers, Lockheed Martin Federal Systems, January 1997, Manassas, USA.
- Research Seminar, **Spare Parts Optimisation-MIRCE Approach**, Lockheed Martin Federal Systems, Jun 1996, Manassas, USA.
- Research Seminar, **Logistics Engineering-MIRCE Approach**, Lockheed Martin Federal Systems, Jun 1996, Portsmouth, UK.

- Research Seminar, **Logistics Engineering at Exeter University**, Lockheed Martin Federal Systems, April 1996, Manassas, USA.
- Keynote Speaker: **Reliability and Maintainability**, 2nd Annual Naval Aviation Systems Engineering/Supportability Engineering Symposium, Alexandria, USA, March 1996
- Tutorial Leader: **Reliability and Maintainability**, 2nd Annual Naval Aviation Systems Engineering/Supportability Engineering Symposium, Alexandria, USA, March 1996
- Workshop Leader: **Reliability, and Maintainability**, 2nd Annual Naval Aviation Systems Engineering/Supportability Engineering Symposium, Alexandria, USA, March 1996.
- Key-Note Address, “**Supportability Analysis: Today and Tomorrow**”, MOD Science Conference, Oxford, U.K. March 1996
- Key-Note Address, ‘**Inherent & Avoidable Ambiguities in Data Analysis**’, SRD Assoc. Member's Technical Symposium, “Data, Information & Decision Making”, AEA Conference, Risley, U.K., 28th February 1996.
- Session Chairman: at the 11th **International Logistics Congress**, Sweden, June 1995
- Workshop Leader: at the **International Conference on Maintenance of Engineering Facilities in Developing Countries**, Gaborone, Botswana, October 11-13 1995.
- Workshop Leader: **Reliability, Maintainability & Supportability** at the 31st International Symposium Logistics Engineering, San Antonio, USA, August 1995.
- Session Chairman: **New Books in Logistics** at the 31st International Symposium Logistics Engineering, San Antonio, USA, August 1995.
- Invited Presentation, **Logistics Profession**, 1st International Logistics Symposium organised by Indiana Chapter of the Society of Logistics Engineers Indianapolis, USA, 1994;
- Research Seminar, **Logistics in Life Cycle Engineering**, presented to Postgraduate Students of Wright Patterson Air Force Academy, Dayton, Ohio, USA, 1994;
- Guest Speaker, **Logistics Engineering in Europe**, of Washington Chapter of The Society of Logistics Engineers, Washington D.C., USA, November 1994.
- Guest Speaker, **ILS, the Past Current, and Future Development in Europe**, China Ship Building Corporation, Kaohsiung, Taiwan, November 1993.

- Research Seminar, **Economics of Logistics and Concurrent Engineering**, at ILS Center of CSIST, Taipei, Taiwan, November 1993.
- Invited Speaker at Second National Conferences on Science & Technology of National Defense, Taipei, Taiwan, November 1993.
- Invited Speaker at CCIT Conference, **Overview of Logistics Engineering in Europe**, Taipei, Taiwan, November 1993.
- Research Seminar, **New Developments in Logistics Engineering at Research Centre, M.I.R.C.E.**, University of Vaxjo, Sweden, May, 1992.
- Research Seminar, “**Life Cycle Analysis as a Design Tool**”, Dowty-Fuel System, Cheltenham, January, 1992.
- Invited presentation, “**Design of Postgraduate Courses in Logistics**”, at round table discussion, 26th International Logistics Conference, Indianapolis, USA, August 1992.
- Panellist, 7th International Logistics Congress, with presentation on “**Logistics Integration**”, Paris, France, April 1991.
- Research Seminar, “**Computer Based Life Cycle**”, British Aerospace, Plymouth, June 1991.
- Research Seminar, “**Logistics in System Life Cycle**”, Shorts, Belfast, December 1991.
- Panellist at 6th International Logistics Congress, with presentation on “**Life Cycle Engineering**”, Montreal, Canada, April 1990.
- Research Seminar, “**Life Cycle Engineering**”, **Design & Maintenance**, Department of Industrial Engineering, University of Toronto, Canada, March, 1990.
- Introduction talk, “**Life Cycle Design for Marine Vehicle**”, Panel Discussion at International Conference On Modelling and Control of Marine Craft, Exeter University, Exeter, UK, April 1990.
- Research Seminar, **Reliability and Maintenance**, the Institution of Gas Engineers, South Western Section, Exeter, UK, October 1989.
- Research Seminar, **Life Cycle Design**, Westland Helicopters, Yeovil, UK, February 1989;
- Chairman of the session “**The Relevance of Quality, Reliability and Maintainability to ILS**”, 5th International Congress “Integrated Logistics, Partnership for Profit”, London, UK, April 1989.

- Keynote Speaker, Symposium “**Reliability on the Move**”, organised by The Safety and Reliability Society, Bath, UK, October 1989.
- Research Seminar, “**Probability in Engineering**”, Mathematical Association, Exeter, April, 1989.
- Research Seminar, “**A Reliability Study of Electrically Propelled Milk Floats**”, IEE, Exeter University, November 1989.
- Research Seminar, “**Mechanical Reliability**”, the Institution of Mechanical Engineers, East Devon Panel, Taunton, November 1989.
- Research Seminar, “**Group Maintenance**”, IFRIM, University of Eindhoven, Holland, June 1988.
- Research Seminar, “**An overview of ‘EXETER’ Approach to Maintenance**”, Department of Industrial Engineering, University of Virginia, Blacksburg, USA, August 1988;
- Research Seminar, “**Condition Based Maintenance**”, University of Chicago, Chicago, USA, August 1987;
- Research Seminar, “**Condition Parameter Based Approach to Reliability**”, Reliability Centre, University of Maryland, Washington DC., USA, September 1987;

Membership of Editorial Boards

- 2023-current **Member of Editorial Board**, The Research Centre of Dependability and Quality Management (DQM) Prijevor - Cacak, Serbia and Peter the Great St. Petersburg Polytechnic University (POLYTECH) St. Petersburg, Russia.
- 2014-current **Distinguish Editor**, Journal of Diagnostics, ISSN 2167-4167 USA
- 2012 **Guest Editor**, Quality in Maintenance Engineering, the International Journal
Quality in Maintenance, June 2012, published by MCB University Press, UK.
- 2009-current **Member of International Editorial Board**, Journal of Applied Engineering Science, IIPP, Belgrade, Serbia.
- 2001 **Guest Editor, Maintenance in Construction Industry** the International Journal Quality in Maintenance, Vol III, No. 4, published by MCB University Press, UK.
- 1999 **Guest Editor, Aircraft Maintenance**, the International Journal Quality in Maintenance, Vol III, No. 4, published by MCB University Press, UK.
- 1988-2016 **Reliability Editor**, Communications in Dependability and Quality Management, An International Journal, published by the Research Centre for DQM, Cacak, Yugoslavia (Serbia)
- 1997 **Guest Editor, Maintenance Practices in Europe**, the International Journal Quality in Maintenance, Vol III, No. 4, published by MCB University Press, UK.
- 1996-99 **Series Editor**, Chapman & Hall Book Series on Systems Effectiveness, UK.
- 1996-98 **Supportability Engineering Editor** of Journal Logistics Spectrum published by The Society of Logistics Engineers, USA
- 1994-2014 **European Editor**, the International Journal Quality in Maintenance, published by MCB University Press, UK.
- 1993-98 **Supportability Editor**, the International Journal "Communications in Reliability, Maintainability and Supportability", G-11, SAE, USA.
- 1985-1990 **Member** of Editorial Board of the International Journal "Maintenance Management International", Elsevier, Holland.

List of Papers Published in Referred Professional Journals

1. Knezevic, J., **Mirce Science: Impact of Windscreen Damage on Functionability Performance of Commercial Aircraft**, pp , 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2025
2. Knezevic, J., **Mirce Science: Impact of Bed Bugs Infestations on Functionability Performance of Commercial Aircraft**, pp. , 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2025
3. Knezevic, J., **MIRCE Science: Clear Air Turbulence as a Mechanism of the Motion of Aircraft through MIRCE Space**, pp. 96-108, 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2024
4. Knezevic, J., **MIRCE Science: Functionability Management of Autonomously Working Systems on Earth Affected by Impacts of Severe Space Weather on Orbiting Satellites**, pp. 85-95, 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2024.
5. Knezevic, J., **MIRCE Science: Lightning as an Imposing Functionability Action**, pp. XX, 54-65, Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2024
6. Knezevic, J., **MIRCE Science: Shark Bite as a Mechanism of Motion of Submarine Cables through MIRCE Space**, pp. 43-53, 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2024
7. Knezevic, J., **Space Weather as a Mechanism of Motion of Autonomous Trains in MIRCE Science**, pp. 16-28, 2024 Annals of Mirce Science, Mirce Akademy, Exeter, UK, 2024
8. Jeftic L., Knezevic, J., **Pre-determined debris Avoidance Manoeuvres (PDAMs) as a Mechanism of Motion of International Space Station through MIRCE Space**, pp. 5-15, Annals of MIRCE Science, MIRCE Akademy, Exeter, UK, April 2024. <http://www.mirceakademy.com/uploads/MSA2024-4-26-MA.pdf>
9. Knezevic, J., **Maintenance Challenge: Troubleshooting Broken Computer Chips**, pp. 1-11, Science of Maintenance Journal, ISSN 2787-3072 March 2024 https://www.researchgate.net/publication/379086148_Science_of_Maintenance_Journal_homepage_wwwm-scirs
10. Knezevic, J. **Group replacement as management action** MEST Journal, Vol. 12 No. 1 pp. 34-41, January 2024, DOI 10.12709/mest.12.12.01.06
11. Knezevic, J. **Space weather as a mechanism of motion of autonomous ships in MIRCE science**, Life Cycle Reliab Saf Eng (2023). <https://doi.org/10.1007/s41872-023-00232-8>

12. Knezevic, J., **Orbital Launch Anomalies as a Mechanisms of Motion of Space Rockets through MIRCE Space**, RAS Engineering and Technology, 2023, DOI: <https://doi.org/10.51520/2766-7782-7>
13. Knezevic, J., (2023) **Maintenance Challenge: Troubleshooting Broken Computer Chips**, Science of Maintenance Journal, vol. 3, 1-2, 1-8
14. Knezevic, J., **Accumulation of Martian Dust as a Mechanism of a Motion of Working Systems Through MIRCE Space**. European Journal of Theoretical and Applied Sciences, 1(5), 360-369. DOI: 10.59324/ejtas. 2023.1(5).
15. Knezevic, J., **MIRCE Science: Maintenance is Management of Failures and provision of Work**, OMAINTEC JOURNAL ISSUE 3, pp. 22-32, Aran Council of Operation and Maintenance, 2 January 2023.
16. Knezevic, J., **MIRCE Science: Management of functionability events for the provision of the expected work** [Journal] // MEST Journal / ed. Cekerevac Zoran. - Belgrade – Toronto : MESTE, 07 15, 2022. - 2 : Vol. 10. - pp. 102-110.
17. Knezevic, J., **Space hurricane as a mechanism of a motion of a spacecraft in MIRCE Space**, Journal of Quality in System Engineering, pp. 11-18, 1 (2022) 1, ISSN 2812-875X
18. Knezevic, J., **“MIRCE Science approach to maintenance of microbial contamination of fuel tanks in COVID-19 grounded aircraft”**, Science of Maintenance Journal, 1 (2021) 1, Institute for research and design in industry, Belgrade, Serbia, ISSN 2787-3072
19. Knezevic, J., **Cannibalisation as a Mechanism of the Motion in MIRCE Science**. Nov Res Sci. 8(5). NRS. 000696. 2021. doi: 10.31031/NRS.2021.08.000696, New York, USA
20. Knezevic, J., **Fireless, Burning Smell Driven, Mayday Landings of Commercial Aircraft as a Mechanisms of Motion in MIRCE Mechanics**, Journal of Applied Engineering Science doi:10.5937/jaes18-25446 Paper number: 18(2020)1, 657, 40-46, Belgrade, Serbia.
21. Knezevic, J., **COVID-19 Pandemic as a Mechanism of the Motion of an Aircraft in MIRCE Mechanics**, American Journal of Engineering and Technology Management. Vol. 6, No. 1, 2021, pp. 1-9. doi: 10.11648/j.ajetm.20210601.11
22. Knezevic, J., **Microbial Decontamination of Fuel Tanks as a Mechanism of the Motion of an Aircraft through MIRCE Space**, Archives in Biomedical Engineering & Biotechnology, pp. 1-7, Volume 4, Issue 5., October 2020, New York, USA. ISSN: 2687-8100 DOI: 10.33552/ABEB.2020.04.000598
23. Knezevic J., **Emergency Oxygen Provision as a Mechanism of the Motion of an Aircraft through MIRCE Space**, pp. 1-8, COJ Technical & Scientific Research. 3(1). COJTS. 000554. 2020, New York, USA.

24. Knezevic, J., **MIRCE Science Question: Digital or Analogue Visual Displays of Dynamic Information for Humans?**, pp. , Archives in Biomedical Engineering & Biotechnology, pp. 1-7, Volume 4, Issue 2., June 2020, New York, USA. ISSN: 2687-8100 DOI: 10.33552/ABEB.2020.04.000598
25. Knezevic, J., **Time to Choose between Scientific and Administrative Approach to Reliability**, pp. 15-25, Journal of The Journal of Reliability, Maintainability, and Supportability in Systems Engineering, Winter 2019 – Spring 2020, Washington DC. USA.
26. Knezevic, J., **Pitot Tube Blockage by Mud-dauber Wasp as a Mechanism of a Motion of an Aircraft through MIRCE Functionability Field**, International Journal of Applied Engineering Science, pp. 134-139, doi:10.5937/jaes17-20888, 2019, Belgrade, Serbia.
27. Knezevic J. **Glare as a Mechanism of the Motion of an Aircraft Through the MIRCE Functionability Field**, COJ Technical & Scientific Research.2(2). COJTS.000532, 2019
28. Knezevic, J., **Impact of High-Altitude Ultraviolet Radiation on Functionability of Flight Crews**, Arch Biomed Eng & Biotechnol.2 (2): 2019, USA, ABEB.MS.ID.000533.
29. Knezevic, J., **What is the Reliability of the Reliability Function?**, COJ Technical & Scientific Research, Volume 1, Issue 4, COJTS.000519, 2018. Crimson Publisher, USA.
30. Knezevic, J., **Mirce-mechanics Approach to the Analysis of the Cosmic Radiation Impact on Aviation Reliability**, Journal of Life Cycle Reliability and Safety Engineering, March 2018, Volume 7, Issue 1, pp 53–60 (2018), SpringerLink..
31. Knezevic, J., **Post Maintenance Test Flight as a Mechanisms of Motion in MIRCE Mechanics**, International Journal of Applied Engineering Science, N o 3, Vol 16, pp.185-191, May 2018, Belgrade, Serbia
32. Knezevic J., **Minimum Equipment List as a Mechanism of Motion in MIRCE Mechanics**, Eng Technology Open Acc. 2018; 1(2): 555560, Juniper Publishers, USA.
33. Knezevic, J., **The Job of RMS Community is Provisioning of Work by Maintainable Systems**, March 2017, Volume 21, Issue 1, The Newsletter, Reliability, Maintainability and Supportability, Washington DC, USA
34. Knezevic, J., **MIRCE Science Approach to the Analysis of the Cosmic Radiation Impact on Aviation Reliability**, Journal Life Cycle Reliability and Safety Engineering, pp 1-8, First Online: 04 October 2017, USA
35. Knezevic J. **MIRCE Mechanics Analysis of In-service Reliability NASA-Contracted Commercial Re-supply Services**, MEST International Journal Vol. 4 No. 1 pp. 41-5, January 2016. Belgrade, Serbia.
36. Rzevski G.A., **Knezevic J...**, Skobelev P.O., Borgest N.M., Simonova E.V., Lakhin O.I. **A New Approach to Managing Life Cycle of Aerospace Products using Complexity Theory**. Mekhatronika, Avtomatizatsiya, Upravlenie. 2016;17(4):282-288. (In Russ.) <https://doi.org/10.17587/mau.17.282-288>

37. Knezevic, J., **Aircraft Air-intake Icing on the Ground as a Mechanism of the Motion in MIRCE Mechanics**, Journal of Life Cycle Reliability and Safety Engineering, Vol 5, Issue 3, (2016), 41-48, Mumbai, India.
38. Knezevic, J., **Volcanic Ash as a Mechanism of a Motion in Mirce Mechanics**, pp. 22-31, COMMUNICATIONS IN DEPENDABILITY AND QUALITY MANAGEMENT, An International Journal Volume 19, Number 2, June 2016 ISSN 1450-7196,
39. Knezevic, J., **Aerotoxic Syndrome as a Mirce Mechanics Phenomenon**, International Journal of Applied Engineering Science, Paper number: 14(2016), pp. 451 – 456, Belgrade, Serbia
40. Knezevic, J., Papic, Lj., **Space Weather as a Mechanism of the Motion of Functionability through Life of Industrial Systems**, Advances in Industrial Engineering and Management, Vol. 4, No. 1 (2015), 1-8, American Scientific Publishers, Printed in the United States of America.
41. Knezevic, J., **Aircraft Ground Icing and De-icing Processes as Mechanisms of the Motion in MIRCE Mechanics**, Journal of Applied Engineering Science, pp 179-185, No 3, Vol 12, 2015, Belgrade, Serbia.
42. Knezevic, J., **Mirce Mechanics Analysis of Forward Visibility Loss of ATR 72 Caused by the Front Windscreen Sea Salt Accretion**, an International Journal, Communications in Dependability and Quality Management, Volume 18, Number 1, 2015, pp. 5-12, Prijevor, Serbia.
43. Knezevic, J., **Impact of Cosmic Phenomena on In-service Reliability**, The Newsletter of Reliability, Maintainability, & Supportability, pp 5-10, October 2015, Volume No. 19, Issue No. 3, USA.
44. Knezevic, J., **MIRCE Functionability Equation**, Int. Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 4, Issue 8(Version 7), August 2014, pp.93-10
45. Knezevic, J., **Bird Strike as a Mechanism of the Motion in MIRCE Mechanics**, pp 167-173, Journal of Applied Engineering Science, No 3, Vol 12, 2014, Belgrade, Serbia,
46. Knezevic, J., **Improving Quality of Maintenance through Simplified Technical English**, Journal of Quality in Maintenance Engineering, Volume 18, Number 2, pp. 216-225., 2012, Emerald
47. Knezevic, J., **MIRCE Mechanics Analysis of the Flight 1549**, Journal of Communications in Dependability and Quality Management, pp 11-30, Vol 10, No 4., Cacak, Serbia, 2014

48. Chiarello, O., Knezevic, J., **Simplified Technical English in MIRCE Mechanics**, pp 167-173, Journal of Applied Engineering Science, 10(2012)3, Belgrade, Serbia,
49. Chiarello, O., Knezevic, J., **The Role of Simplified Technical English in Aviation Maintenance**, Maintworld, Journal of Maintenance and Asset Management, no 2, 2013, pp 36-38, Finland
50. Knezevic, J. **Time to Chose Between Scientific and Administrative Approach to Reliability**, pp 167-173, Journal of Applied Engineering Science, 10(2012)3, Belgrade, Serbia,
51. Zaczek, I., Knezevic, J., **Impact of Cosmic Radiation Induced Single Event Effects on Avionics Reliability and Safety**, SRESA's International Journal of Life Cycle Reliability and Safety Engineering, pp. 1-10, Vol. 2. Issue 2, April 2013, Mumbai, ISSN-22500820
52. Knezevic, J., **Quality of Maintenance – MIRCE Mechanics Axiom**, Journal of Quality in Maintenance Engineering, Volume 18, Number 2, pp. 216-225., 2012, Emerald
53. Knezevic, J., **Atoms and Molecules in MIRCE Mechanics Approach to Reliability**, SRESA Journal of Life Cycle Reliability and Safety Engineering, Vol 1, Issue 1, pp 15-25, Mumbai, 2012. ISSN-22500820
54. Zaczek, I., Knezevic, J., **Cosmic Phenomena in MIRCE Mechanics Approach to Reliability and Safety**, SRESA's International Journal of Life Cycle Reliability and Safety Engineering, pp. 41-50, Vol. 2., Issue 2, April 2013, Mumbai, India, ISSN-22500820
55. Zeljkovic, V., Maksimovic, K., Knezevic, J., **Probabilistic Approach to Buckling Analysis of Thin Panels Subject to Combined Loads**, Scientific Technical Review, Vol. 60, No 3, pp 34-38, Belgrade, Serbia. 2010
56. Knezevic, J., **Method for the Prediction of Maintainability Measures**, Journal of Communications in Dependability and Quality Management, pp 11-30, Vol 10, No 4., Cacak, Serbia, 2007
57. Knezevic, J., **System Operational Science**, Distribution Business Management Journal, Vol. 2 No. 3, 2002. USA.
58. Saranga, H., Knezevic, J., **Reliability Analysis using multiple relevant condition parameter**, International Journal of Quality and Reliability, Volume 6, No. 3, pp. 165-176, 2000, ISSN 1355-2511
59. Knezevic, J., **Status održavanja u Engleskoj: Pogled na Obrazovanje i Praksu**, Maintenance Management '99, Editorial Papers, pp.177-181, published by DQM Institute, Cacak, Serbia

60. Knezevic J., Chief **Mechanic the New Approach to Aircraft Maintenance by Boeing**, , International Journal of Quality and Reliability, Volume 5, No. 4, pp. 314-324, 1999, ISSN 1355-2511
61. Kumar, U.D., Knezevic J., Crocker J., **Maintenance free operating period- and alternative measures to MTBF and failure rate for specifying reliability?**, the Journal of Reliability Engineering and System Safety, 64 (1999) 127-131, 1999
62. Kumar, U.D., Knezevic, J., **Supportability-Critical factor on Operational Availability**, International Journal of Quality and Reliability, Volume 15, No. 4, pp. 481-488, 1998
63. Knezevic, J., **System Effectiveness**, Journal of Communications in Dependability and Quality Management, Vol 1, Nub. 1, pp30-37, 1998, ISSN 1450-7196
64. Kumar, U.D., Knezevic, J., **Availability Based Spare Optimisation Using Renewable Process**, the Journal of Reliability Engineering and System Safety, 59 (1998) 217-223
65. Knezevic, J., Papic, L., Vasic, B., **Sources of Fuzziness in Vehicle Maintenance Management**, International Journal of Quality in Maintenance Engineering, pp. 281-288, Volume 3, No.4, 1997, MCB Press, ISBN 1355-2511, UK
66. Knezevic, J., **Industry Driven Postgraduate Maintenance Education: M.I.R.C.E. Approach**, International Journal of Quality in Maintenance Engineering, pp. 302-308, Volume 3, No.4, 1997, MCB Press, ISBN 1355-2511, UK
67. Kumar, U.D., Knezevic, J., **Spare Optimisation Models for Series and Parallel Structures**, International Journal of Quality in Maintenance Engineering, Vol III, No. III, pp 177-188, 1997
68. Verma, D., Knezevic J., **Development of a Fuzzy Weighted Mechanism for feasibility Assessment of System Reliability During Conceptual Design**, International Journal of Fuzzy Sets and Systems, Vol. 83, No. 2, October 1996.
69. Smith, C., Knezevic J., **Achieving Quality Through Supportability; II. Mathematical Modelling**, International Journal of Quality in Maintenance Engineering, Vol. 2. No. 2. July 1996
70. Knezevic, J., Blanchard, B.S., **The System Engineering Process: A Vehicle for Integrating Supportability Requirements into Design**, Journal Communications in Reliability, Maintainability, Supportability,, Vol. 3, No 2, pp 38-46, ISSN 1072-3757, July 1996, USA.
71. Verma D., Knezevic J., **Application of Fuzzy Logic to Address System Supportability Synthesis and Analysis during Conceptual and Preliminary Design**, International Journal Communications in Reliability, Maintainability, Supportability, Vol 3. No. 1., pp 58-64, January 1996.

72. Smith, C., Knezevic J., **Achieving Quality Through Supportability; I. Concept and Principles**, International Journal of Quality in Maintenance Engineering, Vol. 2. No. 2., pp 21-29, January 1996, UK
73. Blanchard B.S., Knezevic J., **The System Engineering Process - A Vehicle for Integrating Supportability Requirements into Design**, Logistics Spectrum, pp23-30, March 96, USA.
74. Knezevic, J., **Basic Theories of Recovery**, The Journal of Terotechnology, Yugoslavia, Vol. 24, 1995:pp 310-323
75. Blanchard B.S., Knezevic J., **The System Engineering Process - A Vehicle for Integrating Supportability Requirements into Design**, Logistics Spectrum, Journal of the Society of Logistics Engineers, U.S.A. Vol. 30, Issue 1, March 1996: pp 23-30
76. Knezevic, J., **Planning Maintenance Resources for Non-supported Mission**, Journal of Quality in Maintenance, Vol. 1 No. 1, 1995: 60-68 MBA Press UK,
77. Savic D.A., Godfrey A. Walters G.A., Knezevic, J., **Optimal opportunistic maintenance policy using genetic algorithms, part 1**, Journal of Quality in Maintenance Engineering, 1 No. 2 1995:pp 34-49.
78. Savic, D.A., Walters, G.A., Knezevic, J., **Optimal opportunistic maintenance policy using genetic algorithms, part 2**, Journal of Quality in Maintenance Engineering, 1 No. 3 1995:pp 25-35.
79. Knezevic, J., **Reliability Driven Space Logistics Demand**, Journal of American Institute of Aeronautics and Astronautics, U.S.A., pp 61-66, Code AIAA-95-0912-CP, February 1995
80. Knezevic, J., **Mission Success Driven Space System Sparing Analysis**, Journal of American Institute of Aeronautics and Astronautics, U.S.A., pp 54- 60, Code AIAA-95-0911-CP, February 1995
81. Knezevic, J., **Logistics Engineering Education Training - The Exeter Experience**, International Journal Communications in Reliability, Maintainability, Supportability, Vol. 2, No. 1, January 1995.
82. Knezevic, J., **Effective Analysis of Existing Maintainability Data**, International Journal Communications in Reliability, Maintainability, Supportability, Vol. 2, No.1, January 1995
83. Knezevic, J., **Impact of Correctness of Reliability Analysis on Effectiveness of Logistic Support Analysis**, CODERM, News Letter, Ministry of Defence, U.K. Vol. 12, No. 1, pp 8-9, January 1995.
84. Smith C., Knezevic, J., **Supportability Analysis of Optimal Utilisation of Shared Strategic Support Resources**, International Journal Communications in

Reliability, Maintainability Supportability, SAE International, pp 31-35, Vol. 2, No. 2, July 1995 USA

85. Lynch, T., Knezevic, J., **Logistics Development in Europe - UK Perspective**, Logistics Spectrum, Journal of the SOLE, USA, Vol. 29, Issue 2, 1995, pp 6-9.
86. Knezevic, J., **Modelling System Reliability - Way Ahead**, CODERM Newsletter, Vol. 12, No. 2, pp 8-9, Ministry of Defence, UK., June 1995.
87. Knezevic, J., **Logistics Engineering Education Training - The Exeter Experience**, Logistics Spectrum, pp. 24-29, Autumn 1994., USA.
88. Knezevic, J., **Maintainability Prediction at Design Stage**, International Journal Communications in Reliability, Maintainability, Supportability, Vol. 1, No. 1. pp. 24-29, 1994, USA.
89. Knezevic, J., **Determination of operations/ production downtime for group replacement maintaining policy**, International Journal of Operations and Production, Vol. 14(7), pp 18-26.1993
90. Pourzanjani, M. M.A., Knezevic, J., **Life Cycle Design for Marine Vehicles, Modelling and Control of Marine Craft**, edited by M.M.A. Pourzanjani and G.N. Roberts, pp. 75-86, Elsevier Applied Science, London 1990.
91. Walters, G.A., Knezevic, J., **Discussion on: Reliability-Based Optimisation Model for Water Distribution**, ASCE Journal of Hydraulic Engineering, 115(8), 1157 8, 1989.
92. Flower, J.O., Knezevic, J., Pourzanjani. M.M.A., **A New Approach Towards a More Reliable Ship Machinery; Group Replacement Strategy**, Ship en Werf, SenW 56STE JAARGANG NR 5, pp 149-52, Mei 1989.
93. Knezevic, J., **Condition Parameter Based Approach to Calculation of Reliability Characteristics**, Reliability Engineering, Vol. 19, No.1 1987, Elsevier Applied Science.
94. Knezevic, J., Bland, R.J., **A practical application of a new method for condition-based maintenance**, Journal, Maintenance Management International, Elsevier, Vol.7, No.1, pp.31-37, 1987.
95. Knezevic, J., **Required reliability level as the optimisation criterion**, published in Maintenance Management International, Elsevier, Vol. 6, No.4, March 1987.
96. Knezevic, J., **Methodology 'EXETER' for selecting an optimal part-replacement policy**, Journal, Maintenance Management International, Elsevier, Vol.5, No.3, pp. 209-219, 1985.

97. Knezevic, J., **The supplement to methodology 'OMO' control (part II)**, Journal of Terotechnology 'OMO', No 7, pp. 414-420, 1984.
98. Knezevic, J., **The supplement to methodology 'OMO' control (part I)**, Journal of Terotechnology 'OMO', No 6, pp. 333-336, 1984.
99. Knezevic, J., **The Algorithms for numerical parameters determination of reliability characteristics**, Journal of Terotechnology 'OMO', No. 4, pp. 217-222, 1984.
100. Knezevic, J., **A Contribution to Analysis of Component Replacement Combined System in Motor Vehicles**, TEHNIKA-Engineering No.9, pp.7-10, 1983.
101. Knezevic, J., **PROGNOSTICS as an Element of the Preventive Maintenance Model of a Technical System According to its Technical Condition**, Journal of Terotechnology 'OMO', No.8, pp.439-444. 1983.
102. Knezevic, J., **DIAGNOSTICS as an Element of the Preventive Maintenance Model of Technical System According to its Technical Condition**, Journal of Terotechnology 'OMO' No.7, pp.395-399, 1983
103. Knezevic, J., **RETROSPECTION as an Element of the Preventive Maintenance Model of Technical System According to its Technical Condition**, Journal of Terotechnology 'OMO' No.6 pp.328-333, 1983.
104. Knezevic, J., **A Contribution to Forming of the Mechanical System Preventive Maintenance According to Technical Condition**, Journal of Terotechnology 'OMO' pp.255-260 No.5, 1983.
105. Knezevic, J., **Technique of Parallel Maintaining Auxiliary Systems of Motor Vehicles**, Journal 'TEHNIKA-Masinstvo', No.11, pp.7-10, Belgrade, 1981.
106. Knezevic, J., **Programme to Calculate Acceleration of Motor Vehicles**, Journal 'TEHNIKA-Masinstvo', NO.11, pp. 6-10. Belgrade, 1980.
107. Knezevic, J., **A Contribution to Testing Grapho-Analytical Method for Determining Acceleration Time of Passenger Cars**, Journal 'TEHNIKA Masinstvo', No.10 pp. 10-13, Belgrade, 1978.

List of Supervised Postgraduate Students at MSc, by Dr Knezevic, at the Centre for M.I.R.C.E. Exeter University, Exeter, UK

- 1998-2001 Willis, M.E., **The Development of Inferred Availability and Sortie Reliability as System Performance Indicator for UK MOD Aircraft Systems**, pp. 144, *MSc in Logistics Engineering Awarded*
- 1999-2001 Drew, S., **Development of a Methodology for the Provision. Supply of Support Equipment to Meet Requirements of the Customer Support Process**, pp. 99, *MSc in Logistics Engineering Awarded*
- 1998-2001 Jones, C. W., **Attributes of Procedures That Influence Maintainer Performance**, pp 110, *MSc in System Operational Effectiveness Awarded*
- 1998-2001 Roycroft, P. M., **Knowledge Depreciation and Reverse Learning Impacts on Gas Turbine Test Programmes with Long Life-cycles**, pp. 140, *MSc in Logistics Engineering Awarded*
- 1998-2001 Scholfied, P., **A Methodology for System Life Cycle Cost Reduction by Consideration of Support as an Independent Variable in Weapon System Design**, pp. 115, *MSc in Logistics Engineering Awarded*
- 1998-2001 Bohn, G.I., **Impact of Threaded fasteners on the Supportability of Repairable Systems**, pp. 102, *MSc in Logistics Engineering Awarded*
- 1998-2001 Blenkirion, A.S., **Life cycle Benefit of Repair**, pp. 68, *MSc in Logistics Engineering Awarded*
- 1998-2001 Challendor, A.S., **Reliability Analysis Techniques for Effective Equipment Management Within the United Kingdom Ministry of Defence**, pp. 101, *MSc in Logistics Engineering Awarded*
- 1998-2001 Larsen, H., **A Model for upgrading the DPDS System by Means of COTS Equipment**, pp. 128, *MSc in Logistics Engineering Awarded*
- 1998-2001 Cole, G. K., **Using Proportional Hazard Models, the cumulative Function and artificial Intelligence Techniques to Analyse Batch Problems in Engineering Failure Distributions**, pp/ 195, , *MSc in System Operational Effectiveness Awarded*
- 1998-2001, Boyce, C.L., **An analysis of Aerospace Purchasing and Inventory System**, pp. 120, *MSc in Logistics Engineering Awarded*
- 1998-2001 Spackman, C. R., **The Demand Rate Prediction Method, A New Way for Predicting Reliability for Support**, pp 123, *MSc in Logistics Engineering Awarded`*
- 1998-2001 Hoy, R., **Improved Availability and reliability of Submarine Propulsion Plant through Alternative maintenance Strategies and System Design**, pp.85, *MSc in Logistics Engineering Awarded*
- 1998-1999 Zavala R. E. **Developing Small Projects at the Venezuelan Oil Ring Refining Industry,- A life cycle approach**, pp. 163, *MSc in Reliability and Maintainability Engineering awarded*
- 1998-2001 Peters, C.E., **Safe and Effective Reduction of Spares Holding**, pp. 114, *MSc in Logistics Engineering Awarded*

- 1998-2001 Peck, R. **Inventory Reduction at Minimal Risk through Reverse Marginal Availability**, pp. 94, *MSc in Logistics Engineering Awarded*
- 1998-2001 Blenkirion, A.S., **Life Cycle Benefit of Repair**, pp. 68, *MSc in Logistics Engineering Awarded*
- 1998-2001 Davies, C. L., **Eurofighter Typhoon, How to Measure Availability from existing Reliability, Maintainability data Methodology**, pp. 102, *MSc in Reliability and Maintainability Engineering Awarded*
- 1998-2001 McCann, K. J., **An appraisal and Improvement Framework for Through-Life Management, Operation and Support Processes**, pp. 121, *MSc in Logistics Engineering Awarded*
- 1998-2001 Cottrell, M.R., **Obsolescence Management of Military Systems** pp. 96, *MSc in Logistics Engineering Awarded*
- 1998-2001 Ward, R.C., **Impact of the Change of Requirements on Future Military Gas Turbine Engine Design and Support Process**, pp. 91, *MSc in System Operational Effectiveness Awarded*
- 1997-2000 Morgan, P.E., **An investigation into a Failure Diagnosis plus Fault location and Repair Verification Free Corrective Maintenance Task Environment**, pp 120, *MSc in Logistics Engineering Awarded*
- 1997-2000 Chaudhry, M.A., **A Methodology for Life Cycle Costing of Armoured Fighting Vehicles**, pp. 190, *MSc in Logistics Engineering Awarded*
- 1997-2000 Farford, G., **Training Aids Operational Availability Based Spares Scaling**, pp. 126, *MSc in Logistics Engineering Awarded*
- 1997-2000 Thomas, J. E., **The Impact of Testability on Gas Turbine Engine Operational Effectiveness**, pp. 96, *MSc in System Operational science awarded*
- 1997-2000 Morgan, V. B., **Military Aircraft Engine Health Monitoring, An Analysis of its Development and Future potencial**, pp. 90, *MSc in Logistics Engendering Awarded*
- 1997-2000 Hyldahl, P., **A Model for Logistics Optimisation During Phasing Out of the HAWK PP II System**, pp. 105, *MSc in Logistics Engineering Awarded*
- 1997-2000 Blackham, D.J., **Development and Demonstration of a Statistical Model that is capable of Optimising the Availability of Operational Systems within Given Cost Constraints**, pp. 115, *MSc in Logistics Engineering Awarded*
- 1997-2000 Chant, D, R.R., **A Study into Impact of HUMS on Helicopter Transmission Operational Effectiveness**, pp. 164, *MSc in Logistics Engineering Awarded*
- 1997-2000 Adams, G., **Is Maintenance Free Operating Period and Power by Hour Necessary if Supportability Process are Correctly Applied**, pp. 118, *MSc in System Operational Effectiveness Awarded*
- 1997-2000 Ashenden, M.R., **Analysis of the Use of Reliability predictions on a Product Leasing Scenario**, pp. 120, *MSc in System Operational effectiveness awarded*

- 1997-2000 Dustan, R. A., **Use of Non-attributable Factors During Supportability Modelling of New Aircraft for the Royal Air Force**, pp. 108, *MSc in Logistics Engineering Awarded*
- 1997-2000 Huett, M.R., **Developing Engineering processes to Meet the Business Requirement of Maintenance Contracts in Power Generation**, pp. 94, *MSc in Logistics Engineering Awarded*
- 1997-2000 Kelly, A., **The Integration and Optimisation of Safety, Reliability and Logistics Engineering Analysis Techniques, as a Method to Improve Design Process Efficiency**, pp. 111, *MSc in Logistics Engineering Awarded*
- 1997-2000 Johannesen, L.H., **Supportability assessment and Evaluation During System Architecture Formulation and Development**, pp. 113, *MSc in System Operational Effectiveness Awarded*
- 1997-2000` Jones, C.M., **Maintenance Free Operating Period; Modelling MFOP Survivability and an Assessment of its Applicability to Legacy systems**, 135, *MSc in Logistics Engendering Awarded*
- 1995-1997 Brookes, T., **Whole Engine Reliability**, pp.249, *MSc in Reliability and Maintainability Engineering awarded*
- 1997-1998 Griffiths, G., **A study into the Effects of Reliability and Maintainability on Future Combat Aircraft Support Costs**, pp. 136, *MSc in Reliability and Maintainability Engineering awarded*
- 1997-1998 Eikeset, M., **Planning Model for Developing of Materiel and Risk Assessment**, pp. 75, *MSc in System Operational Effectiveness Awarded*
- 1996-1999 Todd, R. C., **The Analysis of Availability, Reliability and Maintainability Data in the British Army Using Artificial neural Networks**, pp. 113, *MSc in Reliability and Maintainability Engineering awarded*
- 1996-1999 Turner, M.J., **The impact of Logistics Support by Challenging to Uninhabited Weapons Systems**, pp. 101, *MSc in Logistics Engineering Awarded*
- 1996-1999 Hudson, P.A., **An assessment of Effectiveness of Initial Provisioning in the Royal Air Force**, pp. 166, *MSc in Logistics Engineering Awarded*
- 1996-1999 Bateman, R.I., **The Development of Pos-Strategic defence Review Business and Inventory Models for RAF Logistics**, pp. 202, *MSc in Logistics Engineering Awarded*
- 1996-1999 Percy, D. J., **A Study into Operational Life cycle Costs by Investigating the Integration Between out-of-service Times and the Maintenance Concept**, pp. 132, *MSc in Logistics Engineering awarded*
- 1996-1999 Dowes, S.R., **Optimising Phased Operational Support – A Logistics Support Design Methodology**, pp. 153, *MSc in Logistics Engineering Awarded*
- 1996-1999 George, J. A., **An Analysis of the Development and Implementation of a Multinational Computer System Using the Enhanced**

- Procurement System for the TORNADO and EUROFIGHTER Projects as a Case Study.** pp. 162, *MSc in Logistics Engineering awarded*
- 1996-1999 Webster, K.V., **Integration of Human Reliability into Logistics Support Analysis (LSA)**, pp 99, *MSc in Logistics Engineering awarded*
- 1996-1999 Pizziolo, L., **A Statistical Analysis Methodology for Extension of Shelf Life of Rocket Motors Based on Surveillance Test Data**, pp. 144, *MSc in Logistics Engineering Awarded*
- 1996-1997 Mitchell, P., **Traditional Approach to Unreliability a New Approach to Reliability**, *MSc in Reliability and Maintainability Engineering awarded*
- 1996-1999 Walsh, P., **Factors in Logistics Support Planning – A case Study**, pp. 70, *MSc in Logistics Engineering Awarded*
- 1996-1999 Dowes, S.R., **Optimising Phased Operational Support- A Logistics Support Design Methodology**, pp.153, *MSc in Logistics Engineering awarded*
- 1996-1999 Power, R.W., **The Royal Air Force and Management of Change**, pp. 107, *MSc in Logistics Engineering Awarded*
- 1996-1999 Gruenloh, E.V., **Concepts for Economically Supporting Electric systems with Dynamic Baselines**, pp. 71, *MSc in Logistics Engineering Awarded*
- 1996-1999 Tamlyn, A.M., **An Investigation of the Selection of A Suitable Metric for Measuring Contractor Logistic Support of Spares**, pp. 83, *MSc in Logistics Engineering Awarded*
- 1995-1998 Bewsher, J.,E.S., **Logistics Operational Forecast Model of LITS Tranche II**, pp. 139, *MSc in Logistics Engineering awarded*
- 1995-1998 Bothma, S., **The Development of a Logistics Support Concept for South African Naval Systems**, pp. 115, *MSc in Logistics Engineering awarded*,
- 1995-1998 Burgess, L., **Supportability Driven Competitiveness**, pp. 121, *MSc in Logistics Engineering, awarded*
- 1995-1998 Calland, M., **In-Service Use of Logistics Support Analysis**, pp. 127, *MSc in Logistics Engineering awarded*,
- 1995-1998 Herbertson, G. C., **An Investigation of Equipment Spares Demands to Derive a Most Cost-effective Spares Provisioning Technique**, pp. 110, *MSc in Logistics Engineering, awarded*
- 1995-98 Hossack, S.D., **Logistics Support Analysis and Supportability Considerations in the Design and Operation of Training Devices**, pp. 78, *MSc in Logistics Engineering, awarded*
- 1995-98 Jackson, I., **A Practical Algorithm to Undertake a Stockholding Rationalisation Programme**, pp. 220, *MSc in Logistics Engineering awarded*,

- 1995-98 Johnson, T., **Supportability Engineering in a System Engineering Environment within British Aerospace Plc**, pp. 149, *MSc in Logistics Engineering awarded*,
- 1995-98 Muratli, O., **An Investigation into the Inventory Management and Control Techniques and Their impact on Availability**, pp. 72, *MSc in Logistics Engineering awarded*
- 1995-98 Pironet, G., **Foundations for Support Management of Identical Items Built-in into Multiple Weapons Systems Used by Multiple Users through Multiple Missions**, pp. 78, *MSc in Logistics Engineering, awarded*,
- 1995-1998 Worthington, P.G., **A new Approach to the in-service Reliability Demonstration of Rollout Systems**, pp 119, *MSc in Logistics Engineering Awarded*
- 1995-98 Robinson, I., **Investigation of Appropriateness of Statistical Distributions Used in Spares Scaling Algorithms**, pp. 97, *MSc in Logistics Engineering, awarded*,
- 1995-1998 Robinson, K. **A Cost Analysis on High Level Sparing** pp. 122, *MSc in Logistics Engineering, awarded*,
- 1995-1998 Scott, P., **A Predictive Second Line maintenance Planning Tool for the Royal Air Force**, pp.106, *MSc in Logistics Engineering, awarded*,
- 1995-1998 Vig, P.S., **An Equipment Manufacturer's Approach to an Effective Environmental Stress Screening Process**, pp. 100, *MSc in Logistics Engineering, awarded*,
- 1994-1998 Chorley, E., **Field Data: a Life-Cycle Management Tool for Sustainable In-Service Support**, p. 159, *MSc in Logistics Engineering, awarded*,
- 1994-1997 Carpenter, A., **Product Model data Integration within Prime Systems**, pp. 102, *MSc in Logistics Engineering awarded*
- 1994-1997 Clouth, P., **Risk Assessment as a Part of the Economic Analysis of MOD Logistics Scenarios**, pp. 112, *MSc in Logistics Engineering, awarded*,
- 1994-1997 Crocker, J., **An Analysis of Methods for Determining the Optimum Number of Repairable Spares in a Non-Poisson, Stochastic Process**, pp. 125, *MSc in Logistics Engineering, awarded*,
- 1994-1997 Delaney, R., **The Influence of Time Dependant Failures Upon the Retirement for Repairable Spares**, *MSc in Logistics Engineering, awarded*,
- 1994-1997 Hillmann, H., **Impreciseness and Ambiguity in Logistics Support**, pp. 261, *MSc in Logistics Engineering, awarded*,
- 1994-1997 Marshall, F., **Expert System for Built-in Test Design for Complex Electronic Systems**, *MSc in Logistics Engineering awarded*,
- 1994-97 Marshall, N., **The Development of a Cost-effective Provisioning System**, pp. 76, *MSc in Logistics Engineering awarded*,

- 1994-97 McMillan, N., **The Analysis and Implementation of Electronic Data Interchange during the Acquisition Process of Complex Items**, pp 127, *MSc in Logistics Engineering awarded*,
- 1994-98 Nicholson, A., *Postgraduate Diploma in Logistics Engineering awarded*.
- 1994-1997 Robertson F., **Expert System for Built-in Test Design for Complex Electronic Systems**, pp. 105, *MSc in Logistics Engineering awarded*,
- 1994-97 Rygalski, S.A., **An Investigation into the Costs of Support for Information Technology Systems**, pp. 114, *MSc in Logistics Engineering awarded*,
- 1995-1998 Watson, I., M., **System Maintainability Prediction**, pp. 81, *MSc in Logistics Engineering awarded*,
- 1993-96 Target, S., **A Comparative Analysis of Optimisation Techniques for Determination of Logistics Support Resource Requirement (Multi-Echelon Multi-Indenture Systems)**, *MSc in Logistics Engineering awarded*,
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