James M Anderson, Meng

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Qualification Summary

Mr Anderson has over 20 years of experience in the design, analysis and optimization of fiber-reinforced composites for motorsports, aerospace and marine applications including vessels and composite tooling.

He is an experienced project manager of multi-year, multi-million dollar research and design and build programs for highly optimised carbon fiber structures and high temperature structures.

He is a senior advisor on composite structural programs at UMaine’s Advanced Structures and Composites Center and a Composite Materials Technology Board Member at Maine Technology Institute

Professional Experience and Education

MEng in Aeronautical Engineering with European Studies, Bristol University, UK, June 1995

 Combined Bachelor and Master’s degree program

 Awarded Hele Shaw Prize for highest mark on Master’s degree course

 Erasmus exchange to Stuttgart University, Germany, during third year of study

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| **Oct 2016 – Present** | **SENIOR PROGRAM MANAGER II, Advanced Structures and Composites Center University of Maine, Orono, ME** |
|  | Part of the management team for the Center, with responsibilities including:* Manage existing major research initiatives
* Develop large scale additive manufacturing capabilities
* Technical support and growth of Structural Thermoplastics Laboratory
* Streamline project and personnel management procedures
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| Sep 2012 – Sept 2016 | DIRECTOR OF ENGINEERING, Hodgdon Yachts, East Boothbay, ME |
| July 2006 – Aug 2012 | ENGINEERING MANAGER, Gurit USAHigh Modulus Ltd, Auckland, New Zealand (July 2006 – Dec 2009)Gurit USA, Bristol, RI, USA (Dec 2009 – Aug 2012) |
| Apr 2002 – Oct 2005 | Independent FEA Consultant |
| Mar 1999 – Mar 2002 | HEAD OF STRUCTURAL ANALYSIS GROUP, Engenuity Ltd, West Sussex, UK |
| Sept 1995-Mar 1999 | CONSULTANT ENGINEER, WS Atkins Science and Technology, Bristol, UK |

Publications/Technical Papers

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|  | * Anderson J, Sanborn, P. 2014. Tooling for Prepreg. IBEX : The International Boatbuilders Exhibition and Conference 9 September – 2 October 2014
* Anderson J. 2008. Composite optimization – A Minefield of Opportunities. High Performance Yacht Design Conference, Auckland, New Zealand - December 2008
* Anderson J. 2007. Optimisation of composite structures. European Boatbuilder Magazine June 2007
* Anderson J. 2007. Complexities in the application of FEA to marine structures. Altair Engineering Technology Conference, UK June 2007
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Patents

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|  | * Anderson, James, inventor. Crush Modelling. US Patent 7,630,871, December 8, 2009
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