



Robert W. Grubbström has been Professor of Production Economics at Linköping Institute of Technology, Sweden, since 1972, and is now Emeritus Professor. He is Licentiate of Technology and Doctor of Economics, and has received honorary doctoral degrees from Lappeenranta University of Technology, Finland, Corvinus University, Budapest, Hungary, and Leopold-Franzens-Universität, Innsbruck, Austria. He has Master's degrees from the Royal Institute of Technology, Stockholm, and the Stockholm School of Economics. He is currently President of the Senate and Dean of the Faculty, Mediterranean Institute for Advanced Studies, Šempeter pri Gorici, Slovenia.

Among the recognitions awarded him are **Knight (First Class)** of the Order of the White Rose of Finland, **Commander** of the Order of the Lion of Finland, **Award of Recognition for Outstanding Contributions to the Development of the Faculty**, University of Ljubljana, Slovenia, (where he also is **Honorary Visiting Professor**) and **Honorary Corporal**, Kungl. Svea Trängregemente, Sweden. He is **Honorary Research Fellow**, Lancaster University, **Honorary Professor**, University of Nottingham Business School, United Kingdom, and **Honorary President** of the Economic Club of Linköping. He is **Past President** and **Fellow** of the International Society for Inventory Research (ISIR) and **Fellow** of the Royal Academy of Engineering Sciences. He is **Co-Founder** and **Honorary Council Member** of Young Enterprise Sweden, currently educating per annum some 26,000 Swedish youths in the rôle that entrepreneurship plays in contemporary society.

He is **Editor-in-Chief** of the *International Journal of Production Economics* (Elsevier) and is author/co-author/editor of some 15 books and has written about 300 articles and working papers, including publications in the *International Journal of Production Economics*, *Management Science*, *The Mathematical Scientist*, *International Journal of Production Research*, *Journal of Cybernetics*, *European Journal of Operational Research*, *Managerial and Decision Economics*, *Kybernetes*, *Omega*, *Economic Systems Research*, *Applied Energy*, *Annual Reviews in Control*, and *International Journal of Energy Optimization and Engineering*.

His current educational interests include modern information technology applied to interactive educational processes, such as designing the *International Logistics Management Game (ILMG)*, used by several European universities and for vocational training. His scientific interests are focussed on the development of a general theory for multi-level, multi-stage production-inventory systems applying the Laplace transform and input-output analysis (**MRP Theory**), and on the **integration of economics and thermodynamics**.

Sample of latest articles and presentations:

- “An Attempt to Introduce Dynamics Into Generalised Exergy Considerations”, *Applied Energy*, 84(7-8), 2007, 701 - 718.
- “Transform Methodology Applied to Some Inventory Problems”, *Zeitschrift für Betriebswirtschaft*, 77(3), 2007, 297 - 324.
- “Balancing Queueing Costs and Capacity Costs along the Assembly Line – A Queueing-Theoretic Approach with Accounting Implications”, in Corsten, H., Missbauer, H., (Eds), *Produktions- und Logistikmanagement*, Verlag Franz Vahlen, Munich 2007, 395 - 417.
- “Planned lead time determination in a make-to-order remanufacturing system”, *International Journal of Production Economics*, 108(1-2), 2007, 426-435, (co-authors Ou Tang and Simone Zanoni).
- “Extensions of MRP Theory with Application to Distribution and Remanufacturing”, *Opening Keynote Address, Proceedings, Second International Workshop on Successful Strategies in Supply Chain Management*, January 8 - 9, 2009, Hong Kong, 3 - 19.
- “Optimal Lotsizing within MRP Theory”, *Keynote Address, Preprints of the 13th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'09)*, Moscow, June 3 - 5, 2009, 15-30, (Co-authors: L. Bogataj and M. Bogataj). Revised version published in *Annual Reviews in Control*, 34(1), 2010, 89 - 100.

- “The Newsboy problem when customer demand is a compound renewal process”, *Opening Keynote Address, Eighth International Conference on Supply Chain Management and Information Systems (SCMIS 2010)*, Hong Kong, October 6 - 8, 2010. Published in *European Journal of Operational Research*, 203(1), 2010, 134 - 142.
- “Efficient location of industrial activity cells in a global supply chain”, *International Journal of Production Economics*, 133(1), 2011, 243 – 250. (Co-authors: Marija Bogataj, Ludvik Bogataj)
- “Current Research Interests in Production Economics”, *Keynote Address, Fifth International Supply Chain Management Symposium and Workshop*, Tokyo, Japan, March 8-10, 2012.
- “The space of solution alternatives in the optimal lotsizing problem for general assembly systems applying MRP theory”, *International Journal of Production Economics*, 140(2), 2012, 765-777. (Co-author: Ou Tang)
- “On the Representation of Timing for Different Structures within MRP Theory”, *International Journal of Production Economics*, 140(2), 2012, 749-755. (Co-author: Marija Bogataj)
- “On the Exergy Content of an Isolated Body in Thermodynamic Disequilibrium”, *International Journal of Energy Optimization and Engineering*, 1(1), 2012, 1-18.
- “Transportation delays in reverse logistics”, *International Journal of Production Economics*, 143(2), 2013, 395–402. (Co-author: Marija Bogataj)
- “What makes Energy A Scarce Economic Resource?”, *Keynote Address, XVII Summer School "Francesco Turco"*, Don Orione Cultural Centre, Venice, Italy, 12 - 14 September 2012.
- “The time-averaged L4L solution - A condition for long-run stability applying MRP theory”, *International Journal of Production Research*, 50(21), 2012, 6099-6110.
- “Dynamic Lotsizing with a Finite Production Rate”, *International Journal of Production Economics*, 149, 2014, 68-79.
- “Cumulative staircase considerations for dynamic lotsizing when backlogging is allowed”, *International Journal of Production Economics*, 157, 2014, 201-211.
- “A Century of Evolution from Harris's Basic Lot Size Model: Survey and Research Agenda”, *International Journal of Production Economics*, 155, 2014, 16-38. (Co-authors: Alessandro Andriolo, Daria Battini, Alessandro Persona, Fabio Sgarbossa)
- “On the True Value of Resource Consumption When Using Energy in Industrial and Other Processes”, *Keynote Lecture, 2nd International Conference on Project Evaluation, Guimarães, Portugal*, June 26-27, 2014, published in *International Journal of Production Economics*, 170(B), 377-384.
- “Some Aspects on the Distribution of the Net Present Value of a Stochastic Cash Flow Generated by a Compound Renewal Process” in Zadnik Stirn, L., Žerovnik, J., Kljajic Borštar, M., Drobne, S., (Eds). *Proceedings of the 13th International Symposium on Operational Research in Slovenia*, Bled, Slovenia, September 23 - 25, 2015, 60-65.
- ”In Memoriam: Professor Denis R. Towill 1933–2015”, *International Journal of Production Economics*, 170(2015), iii–v. (Co-authors: Stephen M. Disney, Mohamed M. Naim, Sharon J. Williams, Ian Nussey)
- “In Perspective: Lotsizing Generalisations”, *Plenary Keynote Address, Third International Workshop on Successful Strategies in Supply Chain Management*, Hong Kong Polytechnic University, Hong Kong, January 7-8, 2016.