

## Professor Issachar Gilad Biography

Issachar Gilad is currently a Professor and Department Head, of Industrial Engineering and Management at Ariel University. He is as well the Head of Graduate Studies. In 2016 he retired from the Faculty of Industrial Engineering and Management at Technion – Israel Institute of Technology, where he served as a Professor and Faculty Member for 37 years.

His professional interests are in the general areas of Methods Engineering and Ergonomics, where he is involved in Work Study and processes Productivity, Design of Man–Machine Systems, Human Performance Analysis, Quantitative Management theory and practices, System Improvements in Manufacturing, Services, and Rehabilitation Engineering.

He received his B.Sc. and M.Sc. degrees in Industrial Engineering and Management from Technion, and his Ph.D. degree in Ergonomics and Biomechanics from New York University. Over the years he was a Visiting Professor at Cambridge University in the UK, University of Michigan, UC Berkeley and Penn State Universities in the USA.

In his teaching and consulting activities Gilad is promoting the use of Methods Engineering by practicing ways of quantitative approach to Human Performance. Doing so he provide the scientific knowledge for managing manned operations, controls productivity and maximize the benefits from technology driven by human operators. In his view, Work Study and Performance Analysis are primary tools in enhancing productivity from micro processes up to macro operations. Applying Ergonomics principles to improve work strategies and systems' productivity – where theoretical knowledge and practical applications can optimize productivity equations.

His research interests are in the areas of: Advanced Work Measurement, Design of Man Machine System, Multi task and Functional Ergonomics. Prof. Gilad has conducted studies in performance improvements and planning for efficiency in Manufacturing, Government, Health Care Facilities and Semiconductors Industries. Prof. Gilad is the former Chairman of the Israel Ergonomics Society. He is active on professional advisory boards, Member of Editorial Boards of Scientific Journals in the areas of Industrial Engineering and Ergonomics.

Prof. Gilad's academic record encompasses 170 publications in professional peer reviewed journals, conference proceedings, books and book chapters. He participated in over 80 international conferences, as organizer and speaker. Gilad supervised 26 students in Engineering, at the levels of MSc and PhD in Israel, the UK and in the USA.