CURRICULUM VITAE

Name: EHUD LENZ

Place and Date of Birth: Czernowitz, Rumania, August 5, 1930

Marital Status: Married + 2 children

Academic Degrees:

1955 B.Sc. in Mechanical Engineering
Technion-Israel Institute of Technology

1956 Diploma in Mechanical Engineering, Technion-I.I.T.

1957 M.Sc. in Mechanical Engineering, Technion-I.I.T.

1962 Dr.- Ing. Mechanical Engineering
The Technical University of Munich, Germany

Academic Appointments:

1955 - 57	Assistant, Department of Mech. Eng. Technion-I.I.T.
1965 - 74	Associate Professor, Dept. Mech. Eng. Technion-I.I.T.
1974	Professor, Dept. Mech. Eng., Technion-I.I.T.
1984	Schlesinger Professor in Manufacturing Systems
1983-84	Visiting Professor at the University of Michigan in Ann Arbor
1996	Visiting Professor at University of Kentucky in Lexington
1998	Visiting Professor at UBC Vancouver, Canada
1998	Emeritus

Research Experience:

1957 - 61	Research Engineer, G. Fischer, Machine Tool Comp.
1961 - 65	Head, Machine Tool Laboratory, ETH, (Swiss Federal Inst. of Technology), Zurich, Switzerland
1969 - 70	Senior Scientist at Ford Motor Co., Dearborn, MI
1976 - 77	Senior Scientist at Ford Motor Co., Dearborn, MI
1993	Senior Scientist at Ford Motor Co., Dearborn, MI

Administrative Duties:

- 1966 69 Dean of the Faculty of Mechanical Engineering
- 1965 69 Head, Material Processing and Machine Tool Center
- 1970 76 Head, Material Processing and Machine Tool Center
- 1979 83 Vice President for Research, Technion-I.I.T.
- 1976 77 Member of the Senate Steering Committee, Technion
- 1978 79 Member of the Senate Steering Committee, Technion
- 1985 90 Dean of the Faculty of Mechanical Engineering
- 1991-pres. Head, J.W. Ullmann Center for Manufacturing Systems & Robotics, Fac. of Mechanical Engineering, Technion
- 1994-1995 Member of the Senate Appointments and Tenure Committee (1/1/94- 31/12/95)
- 1996 98 Member of the Senate Steering Committee, Technion

 Member of different academic and non- academic committees
- 1992-96 Member of the Council for Higher Education,1991- 1993. Member of the Board Basic Research Foundation.

The Israeli Academy of Sciences & Humanities

Public Professional Activities:

Member of Editorial Board of **CIRP** (Intl. Inst. for Production Eng. Research) until Dec. 1996.

Member of Editorial Board of **MR** (Manufacturing Review - ASME) until May 1995

Member of Editorial Board of **AMT** (Advanced Manufacturing Technology - England) Guest Reviewer - **JMS** (SME Journal of Manufacturing Systems) since June 1995. Member of the Editorial Board - Handbook of Industrial Robotics, John Wiley &Sons, Inc.

Member of the Board - The National School for Handassaim. Member of the Board of Directors - KLIL - from 1991 - 1993. Member of the Board of Directors - ELSCINT - from 1991-1993.

Member of the Board of Directors - MLI Lasers (1992) Ltd. from 1995 until April 1997.

Awards:

- 1964 F.W. Taylor Medal of C.I.R.P
- 1979 F.W. Taylor Research Medal SME
- 1982 J. Wallenberg Foundation Scholarship
- 1986 Charter Fellow Member SME
- 1986 Fellow Member NAMRI

1989 Fellow Member ASME

1997 Meitner-Humboldt Award

Professional Membership:

- **C.I.R.P** College International pour l'Etude Scientifique des Techniques de Production Mécanique
- A.S.M.E American Society of Mechanical Engineering
- **S.M.E** Society of Manufacturing Engineering

NAMRI/SME - North American Manufacturing Research Institution of SME

Supervisor of Graduate Students:

M.Sc. Students

1. D. Vilenski - Correlation between Two Measurement Systems of Cutting Temperature.,

August 1967.

- 2. E. Ehrenreich Development of a Drilling Dynamometer. June 1969.
- 3. Z. Katz The Influence of Specific Working Parameters in EDM. June 1969.
- 4. R. Wertheim Relative Frequency and Working Gap in EDM. November 1970.
- 5. M. Geva Influence of Process Parameters of Plasma Arc Cutting of Aluminium. June , 1971.

- 6. A. Schachrai The Laser Machining Parameters of Sintered Carbide Materials. July 1973.
- 7. I. Meister Milling of a Helical Profile Slot in Cylindrical Workpiece., June 1973.
- 8. E. Katz The Influence of EDM in Crack Behaviour of Sintered Carbides. January 1975.
- 9. A. Aharonov Surface Integrity in Grinding. June 1978.
- 10. I. Zanbar Machining of Metals with Pulse Laser. June 1976.
- 11. S. Kaldor Investigation in Chip Breaking. June 1976.
- 12. J. Tur-Kaspa Development of a Gripper with Pressure. October 1982.
- 13. Y. Tal Parameters in Laser Beam Machining. November 1983.
- D. Chay Design for Automated Assembly (jointly with M. Shpitalni).
 May 1987.
- 15. M. Livne Navigation System of AGV. June 1990.
- S. Shifrin CAD/CAM-Machine-Tool Connection (jointly with M. Shpitalni). August 1987.
- 17. E. Zussman The Development of a Robot and its Integration into a Flexible Manufacturing Cell. March 1988.
- 18. S. Zombach (Shoval) Integrated Systems of Robot and CNC Lathe. October 1987.
- 19. I. Alter Machining Cell Communication. June 1988.
- 20. U. Benchetrit Communication in Flexible Manufacturing System. June 1990.
- 21. R. Fishman Graphical Simulation Program for Robots Off-Line Programming. March 1990.
- 22. D. Farhana Communication in Automatic Guided Vehicle . June 1991.
- 23. R. Ronen Graphical Simulation Program for Robots Off-Line Programming. March 1992.
- 24. S. Oberlander Control, Planning and Programming of a Linear Transfer System. December 1992.
- 25. A. Perle Flexible Modular Fixturing . 1994.
- 26. Y. Zeitoun Position Control of a Free-Ranging Vehicle. 1996.

27. E. Levin - Navigation System for Mobile Robots (in progress).

D.Sc. Students:

- 1. M.Y. Friedman Investigation of Tool-Chip Contact Length. April 1971.
- 2. H. Levy Temperature Distribution of Disc Clutches in Machine Tools. (jointly with K. Loewy). April 1971.
- 3. Y. Koren Model and Optimization of Machining Process and its Control in Turning. (jointly with J. Ben-Uri). February 1971.
- 4. G.N. Levy Investigation of ECG. May 1972.
- 5. Z. Katz Investigation into the Flank Wear. July 1973.
- A. Schachrai Crack Propagation of Sintered Materials in Laser Machining. June 1976.
- 7. M. Geva Surface Integrity in ECG. February 1975.
- 8. A. Levin Measuring of Roughness Parameter, R_a, using Reflectometric Methods (jointly with M.Y. Friedman). April 1976.
- 9. M. Shpitalni Adaptive Control for Unconventional Machining Processes (jointly with Y. Koren). July 1980.
- 10. S. Kaldor Investigation of Machining Parameters in Drilling. July 1980.
- 11. Y. Fainman Optical Measurement of 3^D Surfaces (jointly with J. Shamir). January 1983.
- 12. E. Kroll Knowledge-based Conceptual Design: An Application to the Design for Assembly Problem (jointly with J. Wolberg). May 1989.

- 13. J. Rotberg Tool Wear Monitoring by Means of Vibration Analysis. (jointly with S. Braun). May 1992.
- 14. E. Zussman Conceptual Approach to Automatic Assembly (jointly with M. Shpitalni). June 1992.

- 15. U. Benchetrit Motion Planning of Robots (Jointly with M. Shoham) July 1996.
- 16. N. Salomonski Investigation of Assembly and Disassembly Processes in Robotic Systems 1998