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Professional Career

May 21, 1945 born in Reutlingen, Germany
1972 Graduation in Physics, University of Tübingen/ Bonn (Diploma degree)
1972 – 1975 Research Fellow at CERN, Geneva. Experimental and Theoretical work on proton beams in accelerators and plasmas
1975 – 1976 Research assistant at Freiburg/Breisgau University and Brookhaven National Laboratory, New York: Doctoral degree with thesis on “Longitudinal Instabilities of Relativistic Proton Beams in Synchrotrons”
1977 Researcher at the Electron Sycrotron DESY, Hamburg
1978 – 1982 German Aerospace Centre DFVLR/no DLR, Institute of Communication Techn., Oberpfaffenhofen, space-borne communication/navigaton systems,
1983 – 1986 Science astronaut at DLR in Cologne, Germany. Research in physical sciences and life sciences, training on Shuttle systems and operations
30.10.1985 Spaceflight STS-61A with Challenger on German Spacelab Mission D1
1986 – 1999 Full Professor (C4) and Director of the Space Systems Institute (IRS), University of Stuttgart: Space stations and transportation systems, re-entry, experiments in weightlessness
1989 – 1993 Dean and Deputy Dean of the Aerospace Faculty, University of Stuttgart
1996 – 1998 Vice President Universitaet Stuttgart for Science and Technology
Chairman of committees: Research Committee, Computing Centre Users
1998 – 2000 CEO of Technology Transfer Initiative GmbH, University of Stuttgart
2000 – 2004 Head European Astronaut Centre (EAC), in Directorate of Manned Space-flight and Microgravity of ESA, Cologne, (on leave from the University)
since 2005 Full Professor (C4) Chair Astronautics and Space Stations, Univ. Stuttgart
since 2007 Member of the Innovation Council of Federal State Baden-Wuerttemberg

Membership

1986 Corresponding Member of German Aerospace Society DGLR1986
1989 – 1994 DGLR Board of Directors
1989 Member International Academy of Astronautics IAA
since 1986 Member Association of Space Explorers (ASE), Executive Comm. (89-92)
1990 – 1994 Advisory Board of German Space Agency DARA

Special Honours

since 1985 Dutch Royal Academy of Science
1976 Science Award of Wissenschaftliche Gesellschaft in Freiburg im Breisgau
1985 NASA Space Flight Medal and NASA Flight Achievement Award (1986)
1985 German Cross of Merit First Class
1986 Medal of Merit of Federal State Baden-Wuerttemberg
1986 Golden Hermann Oberth Medal
1997 Reinhard-Furrer-Award of DARA
2001 Officier dans l'Ordre des Palmes Académiques

2003	Member German National Academy of Sciences Leopoldina
2009	Member German Technical Academy of Sciences acatech
2009	Doctor h.c. of Technical University Dresden
2009	Académie de L'Air et de L'Espace de France

Selected Publications (of ca. 160)

1. FEUERBACHER, B., MESSERSCHMID, E.: Vom All in den Alltag - Der Weltraum als Labor und Marktplatz. Motorbuch-Verlag Stuttgart (Oktober 2007)
2. MESSERSCHMID, E., BERTRAND, R.: Space Stations - Systems and Utilization. Springer Berlin-Heidelberg-New York (May 1999)
3. MESSERSCHMID, E., FASOULAS, S.: Grundlagen der Raumfahrtsysteme. Springer Berlin-Heidelberg-New York (3. Auflage 2008)
4. MESSERSCHMID, E.: Safety of Future Space Transportation Systems. Space Technol. Vol. 13, No. 3, pp. 329-347, 1993 Pergamon Press Ltd.
5. OCKELS, W.J., FURRER, R. und MESSERSCHMID, E., "Simulation of Space Adaptation Syndrom on Earth", Experimental Brain Research 79, 1990
6. GOGEL, T., DUPUIS, M., MESSERSCHMID, E., "Radiation Transport Calculation in High Enthalpy Environments for 2D-Axisymmetric Geometries", Journal of Thermophysics and Heat Transfer, Vol. 8, No. 4, Oct.-Dec. 1994
7. POHLEMANN, F., MESSERSCHMID, E.: Zur Dynamik eines elektromagnetischen Thetherantriebs. Z. Flugwiss. Weltraumforsch. 18 (1994) 175-186
8. MESSERSCHMID, E., FASOULAS, S., GOGEL, T., GRAU, T.; Numerical Modeling of Plasma Wind Tunnel Flows", ZFW, Vol. 6, Number 3, pp. 158-165, June 1995
9. AUDY, Ch., FISCHER, M., MESSERSCHMID, E.: Nonsteady behaviour of solar dynamic power systems with Stirling cycle for space stations. Aerospace Sci. & Techn., 1/1999
10. RAHN, M., SCHÖTTLE, U.M., MESSERSCHMID, E.: Impact of mission requirements and constraints on conceptual launch vehicle design. Aerospace Science & Technology, 6/1999
11. HUBER, F., LEWIS, R.A., MESSERSCHMID, E., SMITH, G.A.: Precision Tests of Einstein's Weak Equivalence Principle for Antimatter in Space. Advances in Space Research, Vol. 25, No. 6, pp. 1245-1249, 200

Selected Patents (of 10)

1. Messerschmid, E., Fasoulas, S., "Anordnung zum Bestimmen einer Charakteristik eines Gasteilchengemisches", Universität Stuttgart, Institut für Raumfahrtsysteme, 70569 Stuttgart DE P 44 16 510.2-09. Anmeldetag: 10.05.94, Offenlegungstag: 30.11.95.
2. Messerschmid, E., Glocker, B. "Anlage zum thermischen Behandeln von Stoffen", Anmelder: STZ Reutlingen, 72766 Reutlingen, P 44 17 646.5. Anmeldetag: 20.05.94; P 195 18 208.1. Anmeldetag: 18.05.95, Offenlegungstag: 23.11.95.
3. Messerschmid, E. (Anmelder und Erfinder), Fasoulas, S., "Verfahren und Vorrichtung zur simultanen Messung des Gesamtvolumenstroms und von Gaspartialdrücken", P 195 42 379.8. Anmeldetag: 14.11.1995 PCT/EP 96/04936, Internat. Patentanmeldung im Europäisches Patentamt, 29.11.1996, WO 97/18443 (22.05.97).
4. Messerschmid, E. (Anmelder und Erfinder), Roesgen, Th., Huber, F., "Vorrichtung zur Levitation von nicht magnetischen Festkörper-, Gas- und/oder Flüssigkeitsvolumina", P 19641737.6; zuvor P 195 22 113.7. Anmeldetag: 08.05.1996, Offenlegung: 04.12.1997.
5. Messerschmid, E. (Anmelder und Erfinder), Huber, F., Riehle, M., "Elektrisches Triebwerk", P 197 29 471.5. Anmeldetag: 10.07.1997, Offenlegung: 14.01.1999.
6. Messerschmid, E. (Erfinder und Anmelder unter Institut für Raumfahrtsysteme), Huber, F., Riehle, M., "Regenerative Kühlung von Lichtbogengeneratoren,, P 19641731.7-13. Anmeldetag: 10.07.1997, Offenlegung: 15.01.1998.
7. Messerschmid, E. (Anmelder unter Steinbeis TZ Raumfahrtsysteme Reutlingen), Huber, P 197 42 100.8. Anmeldetag: 24.09.1997. Offenlegung: 25.03.1999. - PCT/EP 98/05913, Internat. Patentanmeldung im Europäisches Patentamt, Anmeldetag: 17.09.1998.