BIBLIOGRAPHY PVD (and related) BOOKS Compiled by Donald M. Mattox (4/2013)

Prior to 1960

- The Making of Reflecting Surfaces, Fleetwood Press (1920)†
- The Making of Mirrors by the Deposition of Metals on Glass, I.C. Gardner and F.A. Case, Bureau of Standards circular #389 (1931)*
- The Application of Metallic Fluoride Reflection Reduction Films to Optical Elements, (Record of a Conference held at the Frankford Arsenal in October, 1943) (1943) †
- Operation and Maintenance of Optical Coating Equipment, (TM-1501), published by US War Office (1945)†
- Antireflection Coating of Optical Elements, I.A. Grebenshchekov, et al, (in Russian), Ogiz-Gostekhizdat, Moscow (1946)
- The Metallization of Plastics, J. R. I. Hepburn, Clever-Hume (1947)
- Advances in Electronics and Electron Physics VII, edited by L. Marton, Academic Press (1955)* Wehner's seminal article on sputtering*†
- <u>Physics of Thin Films</u>, Vol. 1&2, H. Mayer, (in German), Wissenschaftliche Verlagsgesellschaft, Stuttgart (1950, 1955)
- Optical Study of Thin Films, M. Kiuchi (in Japanese), Iwanami Shyoten Publishing, Tokyo, (1954)
- Optical Properties of Thin Films, O.S. Heavens, Butterworth (1955)
- Vacuum Deposition of Thin Films, L Holland, Chapman & Hall (1956)*
- Arcs in Inert Atmospheres and Vacuum, edited by W.E. Huhn, John Wiley (1956)
- Symposium on Cleaning of Electronic Device Components and Materials (ASTM Special Publication #246) ASTM Committee F-1, ASTM (1958)
- Optics of Thin Film Coatings, G.V. Rozenberg (in Russian), Gos. lzdat. Fiz.-Mat. Lit., Moscow (1958)
- Structure and Properties of Thin Films, edited by J.B. Newkirk, D.A. Vermilyea, and C.A. Neugebauer, Wiley (1959)

- Condensation and Evaporation: Nucleation and Growth Kinetics (Progress in Material Science), J.P. Hirth and G.M. Pound, Pergamon Press (1963)*
- <u>Thin Films</u>, coordinated by H.G.F. Wilsdorf, American Society of Metals (ASM) (1964)** The Properties of Glass Surfaces, L. Holland, Wiley (1964)*
- Atomic and Ionic Impact Phenomena on Metal Surfaces, edited by M. Kaminsky, Academic Press (1965)
- Optical Properties of Thin Films, O.S. Heavens, Dover reprint (1965) with corrections The Use of Thin Films in Physical Investigations, edited by J.C. Anderson, Academic Press (1966)*
- <u>Basic Problems in Thin Film Physics</u>, edited by R. Niedermayer and H. Mayer, Vandenhoeck and Ruprecht (1966)
- <u>Vapor Deposition</u>, edited by Carroll F. Powell, Joseph H. Oxley, and John M. Blocher, Jr., John Wiley (1966)* First use of term "Physical Vapor Deposition"

The Gas-Solid Interface, vols. I and II. edited by E.A. Flood, [Vol I; chapter 13 by H.E. Farnsworth on "Atomically Clean Solid Surfaces-Preparation and Evaluation"], Dekker (1967)

Thin Films for Optics, H. Anders, Focal Press, (1967)

<u>Thin Film Technology</u>, edited by Robert W. Berry, Peter M. Hall, and Murray T. Harris, Van Nostrand Reinhold (1968)**

The Physical Basis of Ultrahigh Vacuum, P.A. Redhead, J.P. Hobson, and E.V. Kornelsen, Chapman and Hall (1968)

Thin Film phenomena, Kasturi L. Chopra, McGraw-Hill (1969)*

Thin Film Optical Filters, H. A. Macleod, Macmillan (1969)

Physical Measurement and Analysis of Thin_Films, (Progress in Analytical Chemistry, vol. 2) edited by E.M. Murt and W.G. Guldner, Plenum Press (1969)*

1970-79

<u>Clean Surfaces: Their Preparation and Characterization for Interfacial Studies</u>, edited by George Goldfinger, Marcel-Dekker (1970)*

<u>Handbook of Thin Film Technology</u>, edited by L.I. Maissel and R. Glang, McGraw-Hill (1970)**

Metal-Dielectric Multilayers, J. Macdonald, Elsevier (1971)

Thin Films, K.D. Leaver and B.N. Chapman, Taylor and Francis (1971)

<u>Analysis and Synthesis of Multilayer Interference Coatings</u>, P.G. Kard, (in Russian), Balgus, Tallin (1971)

Arc Plasma Technology in Materials Engineering, edited by D.A. Gerdeman and N.L.

Hecht, Springer-Verlag (1972)*

An Introduction to Thin Films, L.I. Maissel and M.H. Francombe, Gordon and Breach (1973)

Environmental Control in Electronics Manufacturing, edited by P.W. Morrison (Western Electric Series) Van Nostrand (1973)*

<u>Proceedings of the 6th International Vacuum Congress (</u>Kyoto, Japan) (Japan J. Appl. Phys. Suppl. 2, Pt. 1), IUVSTA (1974)*

Industrial Cleaning, S. Spring, Prism Press (1974)*

<u>Characterization of Surfaces</u>, edited by Philip F. Kane and Graydon B. Larrebee, Plenum Press (1974)*

<u>Proceedings – Conference on Structure/Property Relations in Thick Films and Bulk Coatings,</u> edited by R.C. Krutenat, AIP/AVS (1974)*

Science and Technology of Surface Coating, edited by B.N. Chapman and J.C. Anderson, Academic Press (1974)*

<u>Interactions on Metal Surfaces</u>, (Topics in Applied Physics #4), edited by E.R. Gomer, Springer-Verlag (1975)*

Physics of Nonmetallic Thin Films, edited by C.H.S. Dupuy and A. Cachard, NATO Advanced Study institutes, Series B, Vol. 14, Plenum (1976)*

Physical Vapor Deposition, edited by Russelll J. Hill, Airco (1976)

Optics of Thin Films, Z. Knittl, Wiley (1976)

<u>Thin Film Optical Coatings (Design and Manufacture)</u>, Sh.A. Furman (in Russian), Mashinostroyenie, Leningrad (1977)

Physics of Thin Films, Ludmila Eckertová, Plenum Press ((1977)*

- IPAT 77: Proceedings: International Conference on Ion Plating & Allied Techniques, CEP Consultants (1977)
- Atom and Ion Sources, L. Valyi, John Wiley and Sons (1978)
- Thin Film Processes, edited by J.L. Vossen and W. Kern, Academic Press (1978)*
- ASTM Proc. of Conf. on Adhesion Measurement of Thin Films, Thick Films and Bulk Coatings (STP 640), edited by K.L. Mittal, ASTM, (1978)**
- <u>Vacuum and Thin Film Technology,</u> (Proceedings of International Symposium 1976), edited by J. Yarwood and P. Andersson, Pergamon Press (1978)*
- Thin Film Phenomena, K.L. Chopra, Krieger Publishing (1979)
- <u>Ion Beams with Applications to Ion Implantation</u>, George R. Brewer, Robert E. Krieger Publishing (1979)*
- Surface Contamination: Genesis, Detection, and Control, Vol. II, edited by K.L. Mittal, Plenum (1979)*
- <u>IPAT 79: Proceedings: International Conference on Ion Plating & Allied Techniques, CEP</u> Consultants (1979)

- <u>Glow Discharge Processes: Sputtering and Etching</u>, Brian Chapman, Wiley-Interscience (1980)**
- Laser-Induced Damage in Optical Materials, edited by Harold E. Bennett, Alexander J.
- Glass, Arthur H. Guenther, and Brian E. Newman, NBS Special Publication #620 (1980)*
- <u>Low Energy Ion Beams (Conference Series #54)</u>, edited by I.H. Wilson and K.G. Stephens, IoP (1980)
- Sputtering by Particle Bombardment, I, edited by R. Behrisch, Springer-Verlag (1981)*
- IPAT 81: Proceedings: International Conference on Ion Plating & Allied Techniques, CEP Consultants (1981)
- Surface Effects in Adhesion, Friction, Wear and Lubrication, Donald H. Buckley, Elsevier (1981)**
- Preparation and Properties of Thin Films (Treatise on Materials Science and Technology,
- vol. 24), edited by K.N. Tu and R. Rosenberg, Academic Press (1982)*
- Deposition Technologies for Film and Coatings: Developments and Applications, edited by R.F. Bunshah et al, Noyes Publications (1982)*
- Surface Cleaning, Finishing, and Coating, 9th edition, vol. 5 of Metals Handbook, ASM (1982)**
- Sputtering by Particle Bombardment, II: Sputtering of Alloys and Compounds, \Electron and Neutron Sputtering, and Surface Topography, (Topics in Applied Physics #52), edited by R. Behrisch, Springer-Verlag (1983)**
- Vacuum Technology, Thin Films and Sputtering, R.V. Stuart, Academic Press (1983)
- Ion Bombardment Modification of Surfaces: Fundamentals and Applications (Beam Modification of Materials 1), edited by Orlando Auciello and Roger Kelly, Elsevier (1984)*
- Coatings on Glass, H.K. Pulker, Elsevier (1984)**
- <u>Stress-Induced Phenomona in Metallization</u>, edited by P.S. Ho, C.I. Lin, and P. Totta, AIP Conference proceedings (1985)
- Thin Films from Free Atoms and Particles, edited by K.J. Klabunde, Academic Press (1985)* Electron Beam Melting and Refining: State of the Art 1985, R. Bakish, Bakish (1985)*

- <u>Ion Plating and Implantation: Applications to Materials, Robert F. Hochman, ASM International (1986)</u>
- Physical Vapor Deposition, 2nd edition, Russell J. Hill, BOC Group (1986)*
- <u>Science of Hard Materials</u>, edited by E.A. Almond, C.A. Brookes, and R. Warren, IoP Conference Series #75, Institute of Physics (1986)
- Surface Modification and Coatings, edited by Richard D. Siasson, Jr. (2 vol. 1* & 2*) ASM (1986)*
- Thin Film Optical Filters, 2nd edition, H.A. Macleod, Macmillan (1986)
- Physics of Thin Films, 2nd edition, L. Eckertova, Plenum Press (1986)
- Physical Vapor Deposition, R.J. Hill, Airco Temiscal (1986)
- Plasma Deposited Thin Films, J. Mort and F. Jansen, CRC Press (1986)*
- High Temperature Corrosion of Materials and Coatings for Energy Systems and

 Turboengines, edited by R. Streiff, J. Stringer, R.C. Krutenat, and M. Caillet, Elsevier (1986)
- <u>Fundamentals of Surface and Thin Film Analysis</u>, Leonard C. Feldman and James W. Mayer, North-Holland (1986)*
- <u>Ion Plating and Implantation: Applications to Materials</u>, edited by Robert F. Hochman, ASM Conference Proceedings (1986)
- Amorphous Hydrogenated Carbon Films, edited by P. Koidl and P. Oelhafen, Symposia Proceedings / European Materials Research Society (1987)
- <u>Testing of Metallic and inorganic Coatings</u>, edited by William B. Harding and George A. Di Bari, ASTM Special Publication # 947 (1987)
- <u>Ion Plating Technology: Developments and Applications</u>, N.A.G. Ahmed, John Wiley (1987)*
- Semiconductor Materials and Process Technology Handbook: For Very Large Scale Integration (VLSI) and Ultra Large Scale Integration (ULSI), edited by G.E.
- McGuire, Noyes Publication (1988)
- <u>Fundamentals of Plasma Chemistry and Technology</u>, Herman V. Boenig, Technomic Publishing (1988)*
- <u>Analytical Techniques for Thin Films</u>, edited by K.N. Tu and R. Rosenberg, Academic Press (1988)*
- Handbook of Thin Film Processing and Techniques: Principles, Equipment, and Applications, K.K. Suegraf, Noyes Publications (1988)*
- Metallurgical Coatings, R.C Krutenat, Elsevier (1988)
- Adhesion in Solids (MRS Vol. 119), edited by D.M. Mattox, J.E.E. Baglin, R.J. Gottschall and C.D. Batich, MRS (1988)
- <u>Handbook of Contamination Control in Microelectronics: Principles and Applications</u>, edited by Donald M. Tolliver, Noyes Publications (1988)*
- Thin Film Processing and Characterization of High-Temperature Superconductors, edited by James M.E. Harper, Richard J. Colton, and Leonard C. Feldman, AIP Conference Proceedings #165, AIP (1988)*
- Thin Film Technologies III, edited by Karl H. Guenther and Hans K. Pulker (1988)
- <u>Ion Implantation and Plasma Assisted Processes</u>, edited by Robert F. Hochman, Hillary Solnick-Legg, and Keith Legg, ASM International (1988)*
- Selected papers on Deposition of Optical Coatings, edited by Michael Ray Jacobson, SPIE Optical Engineering Press (1989)*

- <u>Handbook of Ion Beam Processing Technology</u>, edited by J. J. Cuomo, S. Rossnagel, and H. R. Kaufman, Noyes Publications (1989)
- Plasma Etching, Dennis Manos and Daniel L. Flamm, Academic Press (1989)*
- Metallized Plastics 1: Fundamental and Applications, edited by K.L. Mittal and J.R. Susko, Plenum Press (1989)
- Plasma Surface Engineering, vol. 1 & 2 (Conference Proceedings 1988), edited by E. Broseit, W.D. Munz, H. Oechsner, K.-T. Rie, and G.K. Wolf, DGM Informationsgesellschaft (1989)
- Organicmetallic Vapor Vapor-Phase Epitaxy: Theory and Practice, Gerald B. Stringfellow, Academic Press (1989)*
- <u>Surface Preparation Techniques for Adhesive Bonding</u>, Raymond F. Wegman, Noyes Publications (1989)*
- Surface Modification Engineering, Vol. 1: Fundamentals Aspects, edited by Ram Kossowski, CRC Press (1989)*

- <u>Handbook of Plasma Processing Technology, Stephen M.</u> Rossnagel, J.J. Cuomo, and William D. Westwood, Noyes Publications (1990)*
- Handbook of Ion Beam Processing Technology: Principles, Deposition, Film Modification and Synthesis, Jerome J. Cuomo, Stephen M. Rossnagel and Harold R. Kaufman, Noyes Publications (1990)
- <u>Plasma-Surface Interactions and Processing of Materials,</u> (Proceedings of 1988 Conference NATO ASI Series E; Applied Sciences, vol 176), edited by Orlando Auciello, Alberto Grass-Marti, Jose Antonio Valles-Abara and Daniel L. Flamm, K. Luwer Academic Publishers (1990)*
- Vacuum Technology, 3rd edition, A. Roth, Elsevier Science (1990)
- <u>Preparation and Characterization of Amorphous Carbon Films</u>, edited by J.J. Pouch and S.A. Altervitz, Trans. Tech. Publications (1990)
- <u>Plasma Deposition, Treatment, and Etching of Polymers,</u> edited by Riccardo d''Agostino, Academic Press (1990)*
- Ionized-Cluster Beam Deposition and Epitaxy, Toshinoti Takagi, Noyes Publications (1990)
- <u>Laser Ablation: Mechanisms and Applications</u>, (Proceedings, Lecture Notes in Physics 389), edited by J.C. Miller and R.F. Hagland, Springer Verlag (1991)*
- Growth of Compound and Superlattice Thin Films: Effects of Energetic Particle

 Bombardment (Linkoping Studies in Science and Technology #255), Greger Hakansson, Linkoping (1991)*
- Metallurgical Coating and Materials Modification, (E-MRS #17), edited by H.E. Hintermann and J. Spitz, North-Holland (1991)*
- Solid Films and Surfaces (Proceedings of 5th International Conference), edited by Joseph J. Loferski and Sashanka S. Mitrar, North-Holland (1991)*
- <u>Handbook of Tribology: Materials, Coatings, and Surface Treatments,</u> Bharat Bhushan and B.K. Gupta, McGraw-Hill (1991)**
- Plasma surface engineering of low alloy steel, Y. Sun and T. Bell, Elsevier (1991)
- Aqueous Cleaning as an Alternative ti CFC and Chlorinated Solvent-Based Cleaning, Carl D. D'Ruiz, Noyes Publications (1991)*

- Handbook of Plasma Processing Technology: Fundamental, Etching, Deposition and Surface Interactions, Stephen M. Rossnagel, William D. Westwood, Jerome J. Cuomo, William Andrew (1991)
- <u>Proceedings of Symposiumon Metallurgical Coatins and Materials Surface</u>

 <u>Modification,(1990 E-MRS</u>), edited by H.E. Hintermann and J. Spitz, North-Holland (1991)
- Metallization: Theory and practice for VLSI and ULSI, Shyam Murarka, Butterworth-Heinemann (1992)
- The Material Science of Thin Films, Milton Ohring, Academic Press (1992)*
- <u>Titanium Nitride Coatings: Preparation, Characterization, and Applications (2nd edition), S.</u> Marinkovic, Z. Marinkovic, and H. Kötter, Forschungszentrum Jülich (1992)
- <u>Thin Film Processes II</u>, J.L. edited by J. L. Vossen and W. Kern, Academic Press (1991)* Preparation of Thin Films, Joy George, CRC Press (1992)
- Film Deposition by Plasma Techniques, Mitsuharu Konuma, Springer (1992)
- <u>Surface Diagnostics in Tribology: Fundamental Principles and Applications</u> (Series in Modern Tribology, vol. 1) edited by K. Miyoshi and Y.W. Chung, World Scientific (1993)*
- Diamond Films and Coatings, edited by Robert F. Davis, Noyes Publications (1993)**
- Contact Angle Wettability, and Adhesion, edited by K.L. Mittal, VSP (1993)**
- Coating Technology: Ion Beam Deposition, L. Praniavichius, Stata & Assoc. (1993)
- Handbook of Sputter Deposition Technology: Principles, Technology, and Applications, Kiyotaka Wasa and Shigeru Hayahawa, William Andrews (1993)
- Electron Beam Melting and Refining: State of the Art 1993, R. Bakish, Bakish (1993)*
- Stress-induced Phenomena in Metallization: Proceedings of the Second International Workshop, edited by P.S. Ho and C.Y. Li, American Institute of Physics (AIP) (1994)
- <u>Handbook of Multilevel Metallization for Integrated Circuits,</u> Syd R. Wilson, Clarence J. Tracy, and John L. Freeman Jr., William Andrew (1994)
- <u>Pulsed Laser Deposition of Thin Films,</u> Douglas R. Christie and Gram K. Hubler, Wiley-Interscience (1994)
- Stimulated Deposition Processes: Processes and materials Aspects of Ion Beam Synthesis:

 Proceedings of Symposium C on Ion Beams, Plasma, Laser and Thermall-Stimulated
 Deposition Processes. edited by H. Freller and J.M. Martinez-Duart, MRS -E (1994)
- <u>Plasma Surface Modification of Polymers: Relevance to Adhesion</u>, edited by M. Strobel, C.S. Lyons, and K.L. Mittal, VSP (1994)*
- Surface Science. The First Thirty Years, edited by C.B. Duke, Elsevier (1994)
- Handbook of Deposition Technologies for Films and Coatings: Applications and Technology, 2nd edition, edited by Rointan F. Bunshah, William Andrew (1994)*
- <u>Handbook of Thin Film Process Technology (vol. 1 & 2)</u>, edited by D. Glocker and S. Shah, Taylor and Francis (1995)
- <u>Particles on Surfaces: Detection, Adhesion, and Removal,</u> edited by K.L. Mittal, Dekker (1995)*
- Adhesion Measurement of Films and Coatings, edited by K.L. Mittal, VSP (1995)***
- Thin Film Deposition: Principles and Practice, Donald Smith, McGraw-Hill (1995)
- <u>Handbook of Vacuum Arc Science & Technology: Fundamentals and Applications</u>, edited by Raymond L. Boxman, William Andrews (1995)*

- <u>Practical Design and Production of Optical Thin Films</u>, R.R. Willey, Marcel Decker Inc. (1996)*
- <u>Future Directions in Thin Film Science and Technology</u>, edited by Joseph Michael Marshall, (1996)
- <u>Protective Coatings and Thin Films, Synthesis, Characterization and Applications, edited by Y. Pauleau and Péter B. Barna, Kluwer Academic (1997)</u>
- <u>Thin Film Technology Handbook</u>, Aicha Eisabini, Fred D. Barlow, ISHN, McGraw Hill (1997)
- Coatings on Glass, 2nd edition, H.K. Pulker, Elsevier (1999)
- <u>Handbook of Physical Vapor Deposition (PVD) Processing,</u> Donald M. Mattox, Noyes Publications (1998)*
- <u>Foundations of Vacuum Science and Technology</u>, edited by James M. Lafferty, John Wiley (1998)
- The Aqueous Cleaning Handbook: A Guide to Critical-Cleaning Procedures, Techniques, and Validation, Malcom C. McLaughlin and Alan S. Zisman, M. L. Publications Group (1998)
- Experimental Innovation in Surface Science: A Guide to Practical Laboratory Methods and Instruments, John T. Yates, Springer-Verlag (1998)
- PVD for Microelectronics: Sputter Deposition Applied to Semiconductor Manufacturing, Ronald Powell and Stephen Rossnagel, Academic Press (1999)
- Mechanics and Tribology of Micro- And Nanolayered PVD Coatings (Comprehensive Summaries of Uppsala Dissertations), edited by Urban Wiklund, Uppsala University Press (1999)
- <u>Coated Glass: Applications and Markets</u>, Russell J. Hill and Steven J. Nadel, BOC Coating Technology (1999)**
- <u>Metallurgical Coatings and Thin Films</u> (2 volume set), A. Matthews, J.H. Givens, W.L. Ensinger, and S.L. Rohde, North Holland (1999)

- <u>Handbook of Advanced Plasma Processing Techniques</u>, edited by R.J. Shul and S.J. Pearton, Springer (2000)
- <u>Large Area Glass Coating</u>, Hans Joachim Gläser, Von Ardenne Anlagentechnik GMBH (2000)
- Coatings Technology Handbook, 2nd edition, edited by D. Satas and Arthur A. Tracton, CRC Press (2000)
- <u>Ionized Physical Vapor Deposition</u>, edited by Jeffery A. Hopwood, Academic Press (2000)
- Physical Vapor Deposition of Thin Films, John E. Mahan, Wiley-Interscience (2000)
- <u>Handbook of Plasma Immersion Ion Implantation and Deposition</u>, edited by André Anders, Wiley Interscience (2000)*
- <u>Surface Engineering for Corrosion and Wear Resistance</u>, edited by J.R. Davis, ASM International (2001)*
- <u>Handbook of Thin Film Materials</u>, Five-Volume set, edited by Hari Singh Nalwa, Academic Press (2001)
- <u>Handbook of Surfaces and Interfaces of Materials</u>, Five-Volume set, edited by Hari Singh Nalwa, Academic Press (2001)
- <u>Handbook for Critical Cleaning</u>, edited by Barbara Kanegsbeng and Edward Kanegsberg,

- CRC Press (2001)*
- <u>Handbook of Hard Coatings,</u> edited by Roitan F. Bunshah, William Andrews (2001)** one in bad shape)
- <u>Thin Film Optical Filters</u>, 3rd edition, H.A. Macleod, Institute of Physics Publishing, Bristol (2001)
- <u>In Situ Real-time Characterization of Thin Films</u>, edited by Orlando Auciello and Alan R. Krauss, John Wiley (2001)*
- Evolution of Thin Film Morphology: Modeling and Simulation, Matthew Pelliccione and Toh-Ming Lu, Springer (2001)
- Material Science of Thin Films, 2nd edition, Milton Ohring, xxxxx, (2001)
- Stress Induced Phenomena in Metallization: Sixth International Workshop on Stress Induced Phenomena in Metallization, edited by Shefford P. Baker, Matti A. Korhonen, Eduard Arzt and Paul S. Ho, American Institute of Physics (AIP) (2002)
- <u>Handbook of Thin Film Deposition: Processes and Technologies, 2nd edition, edited by Krishna Seshan, Elsevier (2002)</u>
- Handbook of Hard Coatings: Deposition Technolgies, Properties and Applications, edited by Rointan F. Bunshah, Noyes Publications (2002)
- Optical Interference Coatings, edited by Norbert Kaiser and Hans K. Pulker, Springer-Verlag (2002)*
- <u>Practical Design and Production of Optical Thin Films</u>, Ronald R. Willey, CRC Press (2002) <u>Chemical Physics of Thin Film Deposition Processes for Micro- and Macro-Technology</u>,
- Yves Pauleau, Wiley-VCH (2002)

 <u>Frontiers in Surface and Interface Science</u>, edited by C.B. Duke and E.W. Plummer, Elsevier (2002)
- Metallization of Polymers 2, edited by Edward Sacher, Springer (2002)
- <u>Pulsed and Pulsed Bias Sputtering: Principles and Applications, Edward V. Barnat and Toh-Ming Lu, Springer (2003)</u>
- <u>Pulsed Laser Deposition of Thin Films</u>, edited by Douglas B. Chisey and Grahm K. Hubler, Wiley-VCH (2003)
- <u>Foundations of Vacuum Coating Technology</u>, Donald M. Mattox, Noyes Publications/Elsevier (2003)
- Sputter Deposition, William D., Education Committee AVS (2003)
- Optical Interference Coatings, N. Kaiser and H. Pulker, Springer (2003)
- Thin Films on Glass, edited by Hans Bach and Dieter Krause, Springer-Verlag (2003)
- Microchip Fabrication, 5th edition, Peter van Zant, McGraw-Hill (2004)
- Optical Coating Technology, Philip W. Baumeister, SPIE Publications (2004)
- Stress-Induced Phenomena in Metallization: Seventh International Workshop on Stress-Induced Phenomena in Metallization, edited by Paul S. Ho, Shefford P. Baker, Tomoji Nakamura and Cynthia A. Volkert, American Institute of Physics (2004)
- Engineering Thin Films and Nanostructures with Ion Beams, Emile Knystautas, CRC Press (2005)
- <u>Princiles of Plasma Discharges and Materials Processing</u>, Michael A. Liberman and Allan J. Lichtenberg, John Wiley & Sons (2005)
- <u>Thin Film Materials: Sputtering of Compound Materials,</u> Kiyotaka Wasa, Makoto Kitabatake, Hideaki Adachi, William Andrews (2005)

- <u>Principles of Plasma Discharges and Materials Processing</u>, Michael A. Liberman and Allan J. Lichten berg, John Wiley (2005)
- <u>Solar Call: Materials Manufacture and Operation</u>, Tom Markvart and Luis Castaner, Elsevier (2005)
- Modern Vacuum Physics, A. Chambers, CRC Press (2005)
- Adhesion Measurement Methods: Theory and Practice, Robert Lacombe, CRC Press (2005)
- Principles of Vapor Deposition of Thin Films, K.S. Sheharsha, Elsevier (2006)
- <u>Pulsed Laser Deposition of Thin Films: Applications and Growth of Functional Materials,</u> Robert Easton, Wiley-Interscience, (2006)
- Field Guide to Optical Thin Films, Ronald R. Willey, (SPIE Vol. FG07) SPIE Press (2006)
- <u>Thin Film Solar Cells: Fabrication, Characterization and Applications</u>, Jef Poortmans and Vladimir Arkhipov, Wiley (2006)
- Stress-Induced Phenomena in Metallization: Eighth International Workshop on Stress-Induced Phenomena in Metallization, edited by Ehrenfried Zschech, Karen Maex, Paul S. Ho and Hisao Kawasaki, American Institute of Physics (2006)
- Pulsed Laser Deposition of Thin Films: Applications-Led Growth of Functional Materials, Robert Eason, Wiley Interscience (2006)
- 50 years of Vacuum Coating Technology and the Growth of the Society of Vacuum Coaters, edited by Donald M. Mattox and Vivienne Harwood Mattox, SVC Publications (2007)*
- Introduction to Vacuum Technology, David M. Hata Prentice Hall, (2007)
- Adhesion Aspects of Thin Films, volume 3, edited by Kash L. Mittal, CRC Press (2007)
- Vacuum Deposition onto Webs, Films and Foils, Charles Bishop, William Andrews (2007)
- <u>Practical Monitoring and Control of Optical Thin Films</u>, 2nd edition, Ronald R. Willey, Willey Optical (2007)*
- AIMCAL Metallizing Technical References, 4th edition, edited by E.M. Mount and C.A. Bishop, AIMCAL (Association of International Metallizers, Coaters, and Laminators) (2007)
- <u>Practical Equipment, Materials, and Processes for Optical Thin Films, Ronald R. Willey, Willey Optical (2007)*</u>
- <u>Practical Production of Optical Thin Films</u>, Ronald R. Wiley, Willey Optical (2008)
- Silver Metallization: Stability and Reliability, Daniel Adams, Terry L. Alford, James W. Mayer, Springer (2008)
- Atomic Layer Deposition for Nanotechnology, Arthur Sherman, Ivoryton Press (2008)
- Cathodic Arc Plasma Deposition: From Fractal Spots to Energetic Condensation, A. Anders, Springer (2008)
- Stress-Induced Phenomena in Metallization: Tenth International Workshop on Stress-Induced Phenomena in Metallization, edited by Paul S. Ho, Ehrenfried Zschech, and Shinichi Ogawa, American Institute of Physics (AIP) (2009)
- Education Guides to Vacuum Coating Processing, Donald M. Mattox, SVC Publications (2009)
- <u>Thin Film Materials: Stress, Defect Formation, and Surface Evolution,</u> L.B. Freund and S. Suresh, Cambridge Univ. Press (2009)
- <u>Handbook of Deposition Technologies for Films and Coatings</u>, 3rd edition, edited by Peter M. Martin, William Andrews (2009)
- Sputtering: Webster's Timeline History, 1316 2007, Icon Group International (2009)

- Copper Interconnect Technology, Tapan Gupta, Springer (2009)
- Surface Engineering of Die Surfaces: Performance Evaluation and Characterization of
- Physical Vapour Deposition (PVD) Coatings, Stefan Gulizia, LAP Lambert Academic Publishing (2009)
- The Influence of Macroparticles on PVD Coatings: A real industrial test for evaluating the influence of Macroparticles on PVD TiN coating performances, Guido Vergnano, VDM Verlag (2009)
- Coatings Tribology: Properties, Mechanisms, Techniques and Applications in Surface Engineering, 2nd edition, Kenneth Holmberg and Allan Matthews, Elsevier (2009)

- Stress-Induced Phenomena in Metallization: 11th International Workshop, edited by Ehrenfried Zschech, Shinichi Ogawa and Paul S. Ho, American Institute of Physics (AIP) (2010)
- Introduction to Focused Ion Beams: Instrumentation, Theory, Techniques, and Practice, Lucille A. Giannuzz, Springer (2010 reprint of 2005)
- Solid Surfaces, Interfaces, and Thin Films, H. Lüth, Springer (2010)
- <u>Functional Thin Films and Functional Materials: New Concepts and Technologies, Donglu Shi, Springer (2010)</u>
- Thin-Film Optical Filters, 4th edition, H. A. Macleod, CRC Press (2010)
- Reactive Sputter Deposition, Diederik Depla and Stijn Mahieu, Springer (2010)
- Thin Films on Glass, Hans Bach and Dieter Krause, Springer (2010)
- <u>Thin Films on Glass (Schott Series on Glass and Glass Ceramics)</u>, edited by Hans Bach and Dieter Krause, Springer (2010)
- <u>Tribology of Diamond-like Carbon Films: Fundamentals and Applications</u>, edited by Christopher Donnet and Ali Erdemir, Springer (2010)
- Roll-to-Roll Vacuum Deposition of Barrier Coatings, Charles A. Bishop, John Wiley (2010)
- Handbook of Physical Vapor Deposition (PVD) Processing, 2nd edition, Donald M. Mattox, Elsevier (2010)*
- <u>Handbook of Nanostructured Thin Films and Coatings</u>, edited by Sam Zhang, CRC Press (2010)
- Handbook of Deposition Technologies for Films and Coatings: Science and Applications, 3rd edition, edited by Peter M. Martin, Elsevier (2010)*
- <u>Applications of Broad-Beam Ion Sources: An Introduction</u>, Harold R. Kaufman et al, Kaufman & Robinson (2011)
- <u>Focused Ion Beam Systems: Basics and Applications</u>, edited by Nan Yao, Cambridge University Press (2011)
- <u>Handbook for Criical Cleaning</u>, 2nd edition, edited by Barbara Kanegsberg and Edward Kanegsberg, CRC Press (2011)
- Atomic Layer Deposition of Nanostructured Materials, edited by Nicola Pinna and Mato Knez, Wiley-VCH (2011)
- <u>Vacuum Deposition onto Webs, Films and Foils, 2nd Edition, Charles Bishop, William Andrews (2011)</u>
- <u>Atomic Layer Deposition of Nanostructured Materials</u>, Nicola Pinna and Marto Knez, Wiley-VCH (2011)

- Advanced Characterization for Thin Film Solar Cells, Uwe Rau, Daniel Abou-Ras, and Thomas Kirchartz, Wiley-VCH (2011)
- <u>Introduction to Surface Engineering and Functionally Engineered Materials</u>, Peter M. Martin, Elsevier (2011)*
- <u>Diamond-Like Carbon Films</u>, edited by Yuto S. Tanaka, Nova Science Publishers (2011)

 <u>Handbook of Sputter Deposition Technology: Fundamentals and Applications for Functional Thin films, Nanomaterials, and MEMS</u>, 2nd edition, Kiyotaka Wasa, William Andrews/Elsevier (2012)
- AIMCAL Metallizing Technical References, 5th edition, edited by ???????, AIMCAL (Association of International Metallizers, Coaters, and Laminators)(2007) Industrial Ion Sources, Viacheslav V. Zhurin, John Wiley (2012)
- Nanofabrication by Ion-Beam Sputtering: Fundamentals and Applications, edited by Tapobrata Som and Dinakar Kanjilal, Pan Stanford Publishing (2012)
- Atomic Layer Deposition: Operation and Practical Applications, Tommi Kääriäinen, David Cameron, Marja-Leena Kääriäinen and Arthur Sherman, Wiley-Scrivener (2012)

 Practical Design of Optical Thin Films, 3rd edition, Ron Willey, Willey Optical (xxxxx)

 Practical Production of Optical Thin Films, 2nd edition, Ron Willey, Willey Optical (xxxx)

PVD Books - Series

Some Conferences with bound Proceedings

Society of Vacuum Coaters (SVC) Annual Technical Conference (1957 -)
International Conference on Metallurgical Coatings (ICMC)

International Conference on Metallurgical Coatings and Thin Films (ICMCTF)

Plasma Surface Engineering (PSE) conference International Symposium on Sputtering & Plasma Processes (ISSP) Surface Modification of Materials by Ion Beams (SMMIB) conference North American Molecular Beam Epitaxy (NAMBE) conference Conference on Physics and Chemistry of Surfaces and Interfaces (PCSI)

Physics of Thin Films (Series) Academic Press;

- 1963 Vol. 1 edited by Georg Hass
- 1964 Vol. 2 edited by Georg Haas & Rudolf E. Thun
- 1966 Vol. 3 edited by Georg Haas & Rudolf E. Thun
- 1966 Vol. 4 edited by Georg Haas & Rudolf E. Thun
- 1969 Vol. 5 edited by Georg Haas & Rudolf E. Thun
- 1971 Vol. 6 edited Maurice Francombe & Georg Hass
- 1973 Vol. 7 edited by
- 1975 Vol. 8 <u>Measurements of Optical Constants of Thin Films</u>, edited by G. Hass and R.E. Thun (1964)
- 1977 Vol. 9 edited by Georg Hass, Maurice Francombe, and R.W. Hoffman
- 1978 Vol. 10 edited by Georg Hass, Maurice Francombe
- 1980 Vol. 11
- 1982 Vol. 12 edited by Georg Hass, Maurice Francombe and John L. Vossen
- 1987 Vol. 13 edited by M. Francombe & J.L. Vossen, Vol. 14

- 1991 Vol. 15 <u>Thin Films for Advanced Electronic Devices</u>, edited by Maurice H. Francombe, and John L. Vossen
- 1992 Vol. 16 Thin Films for Emerging Applications, edited by M. Francombe and J.L. Vossen
- 1993 Vol. 17 <u>Mechanic and Dielectric Properties</u>, edited by M. Francombe and J.L. Vossen
- 1994 Vol. 18 <u>Plasma Sources for Thin Film Deposition and Etching</u>, edited by M. Francombe and John L. Vossen
 - Vol 19
 - Vol. 20
 - Vol 21
 - Vol.22
- 1997 Vol. 23 <u>Modeling of Film Deposition for Microelectronics Applications</u>, edited by Maurice Francombe and John L. Vossen
- 1998 Vol. 24 <u>Self-Assembled Monolayers of Thiols</u>, edited by Ronald Powell, Maurice H. Francombe, and Abraham Ulman
 - Vol. 25
 - Vol. 26
- 1999 Vol. 27 <u>Ionized Physical Vapor Deposition</u>, edited by Ronald Powell and Abraham Ulman
- 2000 Vol. 28 <u>Frontiers of Thin Film Technology</u>, edited by Maurice. H. Francombe, Academic press

<u>Physics of Thin Films and Nanostructures Series</u> – Elsevier (<u>Physics of Thin</u> Film Series – Academic Press - renamed starting with vol. 30)

- 2001 Vol. 30 <u>Advances in Plasma Grown Hydrogenated Films</u>, edited by V. Agravich and Deborah Taylor
- 2003 Vol. 31 <u>Electronic Excitation in Organic Based Nanostructures</u>, edited by G. Franco Bassani and V.M. Agranivich
- 2003 Vol. 32 <u>Cavity Polatitons</u>, edited by Alexey Kavokin and Guillaume Malpyech
- 2006 Vol. 33 <u>Waveguide Spectroscopy of Thin Films</u>, edited by Alenander Kemchenko
- 2007 Vol. 34 <u>Physico-chemical Phenomona in Thin Films and at Solid Surfaces</u>, edited by Leonid I. Trakkhenberg, Sheng H. Lin, and Olusegun J. Ilegbusi
- 2010 Vol. 35 <u>Cu(InGa)Se₂ Based Thin Films for Solar Cells</u>, edited by Subba Ramaiah Kodigala (pub. 2010)
- 2011 Vol. 36 <u>Nano-optics of Surface Polaritons</u>, edited by Anatoly V. Zayats, Igor I. Smolyaninov, and Alexei Maradudin

Transactions of the Vacuum Metallurgy Conference (AVS-VMD)

- 1960 edited by R.F. Bunshah (AVS)*
- 1962 edited by R.F. Bunshah (AVS)*
- 1963 edited by R.F. Bunshah (AVS)*
- 1967 edited by M.A. Orehoski and Rointan Framroze Bunshah (AVS)

Proceedings of the International Vacuum Metallurgy Conference (AVS-VMD)

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1970 - (2^{nd}) (AVS-VND) - R.F. Bunshah (chairman)**
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1971 – (AVS-VMD) – R.C. Krutenat (Program Chairman)**

Proceedings of the International Conference on Metallurgical Coatings (ICMC)

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Elsevier (later) and Thin Films (ICMCTF),
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1973
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1974

1975

1976 – (vol. I* & II*) – edited by R.F. Bunshah*

1977 - edited by R.F. Bunshah*

1978 – (vol. I* & II*) - edited by R.F. Bunshah*

1979 – (vol. I* & II*) - edited by J.N. Zemel*

1980 - (Vol. I* & II*) - edited by J.N. Zemel*

1981 – (Vol. I* & II*) – edited by J.N. Zemel*

1982 – (Vol. I*,II*, III & IV*) – Vol.1-3 edited by J.N. Zemel, Vol. IV edited by R.C. Kruentnat*

1983

1984 – (Vol. I & II) edited by R.C. Krutenat and J. Zemel

1985

1986

1987 - (vol. I*, II*, III* & IV*) edited by R.C. Krutenat

1988 – (viol. I*, II* & III*) - edited by R. C. Krutenat

1989 – edited by Bruce D. Sartwell

 $1990 - (17^{th} annual)$

1991 – edited by Gary E. McGuire, D.C. Mcintyre, and S. Hofmann

1992

1993

- 1994 Proceedings of the 21st International Conference on Metallurgical Coatings and Thin Films, edited by G.E. McGuire, H.A. Jehn, and B.D. Sartwell, Surface & Coating Technology, Vols. 68/69 (1994)
- 1995 Proceedings of the 22nd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vols. 76/77 (1995)
- 1996 Proceedings of the 23rd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vols. 86/87 (1996)
- 1997 Proceedings of the 24th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vols. 94/95 (1997)
- 1998 Proceedings of the 25th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vol. 108-109 (1998)
- 1999 Proceedings of the 26th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vols. 120-121

(1999)

2000 2001

2002

2003

- 2004 Proceedings of the 31st International Conference on Metallurgical Coatings and Thin Films, Surface & Coating Technology, Vols. 188-189 (2004)
- 2005 Proceedings of the 32nd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vol. 200, Issues 5-6 (2005)
- 2006 Proceedings of the 33rd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), edited by Alan Mathews, Surface & Coating Technology, Vol. 201, Issue 7, (2006)
- 2007 Proceedings of the 34th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), edited by Yves Pauleau, Alan Stevant, Ali Erdemnir, and Paul Mayrhofer, surface & Coating Technology, Vol. 202, Issues 4-7 (2007)
- 2008 Proceedings of the 35th International Conference on Metallurgical Coatings and Thin Films, Surface & Coating Technology, Vol. 203, Issue 5-7 (2008)
- 2009 Proceedings of the 36th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vol. 204, Issues 6-7 (2009)
- 2010 Proceedings of the 37th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vol. 205, Issue 5 (2010)
- 2011 Proceedings of the 38th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), Surface & Coating Technology, Vol. 206, Issue 7 (2011)

2012

 $2013 - (40^{th})$

Vacuum Symposium Transactions

- 1957 editorial supervision, Wilfred G. Matheson, Pergamon Press (1958)*
- 1960 Vacuum Technology Transactions: Proceedings of the 6th National Symposium (plus cumulative Author and subject Index for 1954-1959 Symposia) Program Chair C.R. Meissner, Pergamon Press (1960)*
- 1962 Transactions of the 9th Vacuum Symposium, edited by George H. Bancroft, Macmillam*

Proceedings of the International Conference of Coating on Glass (ICCG)

2000 – Proceedings of the 3rd International Conference of Coating on Glass (ICCG) (Advanced Coatings on Glass and Plastic for Large-Area or High- Volume Products), edited by H.A. Meinema, C.I.M.A. Spee and M.A., Aegerter*

MRS Symposia Proceedings Series

1981- vol. 10 - Thin Films and Interfaces

- 1982 vol. 27 <u>Ion Implantation and Ion Beam Processing of Materials</u>, edited by Carolyn Rubin Aita and K.S. SreeHarsha*
- 1983 vol. 25 <u>Thin Films and Interfaces II,</u> edited by J.E.E. Baglin, D.R. Campbell and W.K. Chu*
- 1985 vol. 45 Ion Beam Processes in Advanceed Electronic Materials and Device Technology, edited by B.R. Appleton, F.H. Eisen and T.W. Sigmon*
- 1985 vol. 47 Thin Films: The Relationship of Structure to Properties
- 1985 vol. 48 <u>Applied Materials Characterization</u>, edited by W. Katz and P. Williams*
- 1986 vol. 54 <u>Thin Films: Interfaces and Phenomena</u>, edited by Robert J. Nemanick, P.S. Ho, and S.S. Lau*
- 1988 vol. 119 <u>Adhesion in Solids</u>, edited by D.M. Mattox, J.E.E. Baglin, R.J. Gottschall and C.D. Batich**
- 1990 vol. 130 Thin Film: Stress and Mechanical Properties I
- 1990 vol. 188 Thin Film: Stress and Mechanical Properties II
- 1990 vol. 200 Ferroelectric Thin Films
- 1990 vol. 202 Evolution of Thin Film and Surface Microstructures
- 1991 vol. 239 Thin Films: Stresses and Mechanical Properties III
- 1992 vol. 236 <u>Photons and Low Energy Particles in Surface Processing</u>, edited by Carol I. H. Asby, James H. Brannon and Stella W. Pang (1992)
- 1993 vol. 315 <u>Surface Chemical Cleaning and Passivation for Semiconductor</u> Processing
- 1993 vol. 317 Mechanism of Thin Film Evolution
- 1994 vol. 343 <u>Polycrystalline Thin Film Structure, Texture and, Properties and</u>
 Applications
- 1994 vol. 308 Thin Films: stresses and Mechanical Properties IV
- 1994 vol. 355 Evolution of Thin Film and Surface Structure and Morphology
- 1995 vol. 388 Film Synthesis and Growth using Energetic Beams
- 1995 vol. 414 <u>Thin Films and Surfaces for Bioactivity and Biomedical Applications</u>
- 1996 vol. 426 Thin Films for Photovoltaics
- 1996 vol. 436 Thin Films: Stresses and Mechanical Properties VI
- 1996 vol. 438 Material Modification and Synthesis by Ion Beams
- 1996 vol. 441 Thin Film: Structure and Morphology
- 1996 vol. 446 Amorphous and Crystalline Insulating Films
- 1997 vol. 485 Thin Film Structures for Photovoltaics
- 1997 vol. 493 Ferroelectric Thin Films VI
- 1997 vol. 505 Thin Films: Stresses and Mechanical Properties VII
- 1998 vol. 544 Plasma Deposition and Treatment of Polymers
- 1998 vol. 555 Properties and Processing of Vapor Deposited Coetings
- 1999 vol. 594 Thin Film: Stresses and Mechanical Properties VIII
- 2000 vol. 648 <u>Growth Evolution and Propertoies of Surfaces, Thin Films, and Self-organized Structures</u>
- 2000 vol. 655 Ferroelectric Thin Films IX
- 2001 vol. 672 <u>Mechanism of Surface and Microstucture Evolution in Deposited</u> Films and Film Structures

- 2001 vol. 688 Ferroelectric Thin Films X
- 2001 vol. 695 Thin Film: Stresses and Mechanical Properties IX
- 2001 vol. 697 Surface Engineering: Fundamental and Applications
- 2002 vol. 748 Ferroelectric Thin Films XI
- 2002 vol. 749 Morphological and Compositional Evolution of Thin Films
- 2002 vol. 750 Surface engineering Synthesis, Characterization and Applications
- 2003 vol. 784 Ferroelectric Thin Films XII
- 2003 vol. 795 Thin Films: Stresses and Mechanical Properties X
- 2004 vol. 843 Surface Engineering: Fundamentals and Applications
- 2004 vol. 854 Stability of Thin Films and nanostructures
- 2005 vol. 865 Thin Film Compound Semiconductor Photovoltaics
- 2005 vol. 875 Thin Film: Stresses and Mechanical Properties
- 2005 vol. 902 Ferroelectric Thin Films
- 2007 vol. 989 <u>Amorphous and Polycrystalline Thin Film Silicon Science and Technology</u>
- 2007 vol. 992 Deposition on Non-planar substrates
- 2007 vol. 1012 Thin Film Compound Semiconductor Photovoltaics
- 2007 vol. 1021 Surface and Interfacial Nanomechanics
- 2007 vol., 1030 Large Area Processing
- 2008 vol. 1066 <u>Amorphous and Polycrystalline Thin Film Silicon Science and</u> Technology
- 2009 vol. 1153 <u>Amorphous and Polycrystalline Thin Film Silicon Science and Technology</u>
- 2009 vol. 1165 Thin Film Compound Semiconductor Photovoltaics
- 2009 vol. 1196 Large Area Processing
- 2010 vol. 1315 Transparent Conducting Oxides and Applications
- 2011 vol. 1328 Electrochromic Materials and Devices
- 2011 vol. 1339 Plasma Assisted Materials Processing and Synthesis
- 2012 vol. 1426 <u>Amorphous and Polycrystalline Thin Film Silicon Science and Technology</u>

European Materials Research society (EMRS)

- 1997 Papers Presented at the 1997 ICAM/E-MRS Conference, Symposium K: Coatings and Surface Modifications for Surface Protection and Tribological Applications, Surface & Coating Technology, Vols. 100/101 (1998)
- 2001 <u>Protective Coatings and Thin Films</u>, edited by Herwig Bangert, Bruce Sartwell, and Allan Matthews, Surface and Coating Technology, Vols. 151-152, Elsevier (2002)
- 2006 <u>Protective Coatings and Thin Films</u>, Surface & Coating Technology, Vol. 200, Issues 22-23 (2006)
- 2007 <u>Protective Coatings and Thin Films,</u> Surface & Coating Technology, Vol. 202, Issue 11 (2007)
- 2009 <u>Protective Coatings and Thin Films</u>, Surface & Coating Technology, Vol. 204, Issues 12-13 (2010)

International Conference on Plasma Surface Engineering (PSE)

1990 –	Proceedings of the 2 nd International Conference on Plasma Surface
	Engineering (PSE-90), edited by E. Broszeit, K. Hieber, H. Oechsner, K. T.
	Rie, and Gary K. Wolf, North Holland Publishing (1990)
1991	
1992	
1993	
1994 –	Proceedings of the 4 th International Conference on Plasma Surface
	Engineering (PSE-94), Surface and Coating Technology (Elsevier) Vols.
	74/75 (1995)
1995	
1996 –	Proceedings of the 5 th International Conference on Plasma Surface
	Engineering (PSE-96), Surface and Coating Technology, Vols. 97/98 (1997)
1997	
1998	
1999	
2000	
2001	
2002	
2003	
2004 –	Proceedings of the International Conference on Plasma Surface Engineering
	(PSE 2004), Surface & Coating Technology, Vol. 200, Issues 1-4 (2005)
2005	
2006	
2007	
2008 –	Proceeding of the 11 th International Conference on Plasma Surface
	Engineering (PSE-2008),
2009	
2010 -	Proceedings of the 12 th International Conference on Plasma Surface
	Engineering (PSE 2012); also: Surface and Coating Technology, Volume 205
	Supplement 2, Pages S1-S608 (2011)

Proceedings of the Annual Technical Conference of the Society of Vacuum Coaters (SVC)

Beginning 1957 – Proceedings from 1991 available on CD from SVC 1990 to present - Proceedings edited by Donald M. Mattox

Surface and Coating Technology (Periodical) special publications

1988

- 2011 Surface Modification of Materials by Ion beams 2009, Volume 206, Issue 5 (2011)
- 2010 Proceedings of the 7th Asian-European International Conference on Plasma Surface Engineering Volume 205, Supplement 1 (2010)
- 2010 Proceedings of the fourth workshop RIPT (Les Rencontres Internationales sur la Projection Thermique) and the third workshop on Suspension and Solution Thermal Spraying (S2TS), Volume 205, Issue 4 (2010)
- 2009 SMMIB-15, 15th International Conference on Surface Modification of Materials by Ion Beams, Mumbai (India), Volume 203, Issue 17-18 (2009)

- 2009 S2TS, 2nd International Workshop on Solution and Supension Thermal Spraying, Tours (France), Volume 203, Issue 15 (2009)
- 2008 Sixth Asian-European International Conference on Plasma Surface Engineering, Sixth Asian- European International Conference on Plasma Surface Engineering, Volume 202, Issue 22-23 (2008)
- 2007 3 Rencontres Internationales de la Projection Thermique 3-RIPT 2007, Volume 202, Issue 18 (2007)
- 2007 Euro CVD 16, 16th European Conference on Chemical Vapor Deposition, Volume 201, Issues 22-23 (2007)
- 2006 The International Conference on Superhard Coatings, Volume 201, Issue 13 (2006)
- 2006 AEPSE 2005, Volume 201, Issues 9-11 (2006)
- 2006 Proceedings of The Third Asian Conference on Chemical Vapor Deposition (Third Asian-CVD), Volume 200, Issue 10 (2006)
- 2005 Surface Modification of Materials by Ion Beams (SMMIB 2005), Volume 201, Issues 19-20 (2005)
- 2005 The 8th International Workshop on Plasma-Based Ion Implantation and Deposition, Volume 201, Issue 15 (2005)
- 2005 E-MRS 2005 Symposium E Synthesis, Characterization and Applications of Mesostructured Thin Layers, Volume 200, Issues 1-2 (2005)
- 2002 Proceedings of Symposium C of the E-MRS Spring Meeting 2001, Volumes 151-152 (2002)
- 2002 Proceedings of the 12th International Conference on SMMIB, Volumes 158-159 (2002)
- 2001 Proceedings of the 7th International Conference on Plasma Surface Engineering, Volumes 142-144 (2001)
- 1999 Proceedings of the 6th International Conference on Plasma Surface Engineering, Garmisch-Partenkirchen, Germany, September 14-18, 1998, Vol. 116-119 (1999)
- 1999 Proceedings of the Jornadas SAM '98 Iberomet V Conference, Rosario, Argentina, September 14-18, 1998, Vol. 122, no. 1 (1999)
- 1999 The Invited Review, Tribological Fundamentals of Polycrystalline Diamond Films by M.N. Gardos, Vol. 113, no. 3 (1999)
- 1999 Proceedings of the 1st Asian-European International Conference on Plasma Surface Engineering, Seoul, Korea, October 5-9, 1997, Vol. 112, no. 1/3 (1999)
- 1998 Compositionally Modulated Alloy (CMA) Coatings, Vol. 105, no. 3 (1998)
- 1998 Proceedings of the 10th International Conference on Surface Modification of Metals by Ion Beams, Gatlinburg, TN, USA, 21-26 September 1997, Vols. 103/104 (1998)
- 1997 Papers Presented at the International Workshop on Ion Beam Surface Technology, Tomsk, Russia, 20-22 May 1996, Vol. 96, no. 1 (1997)
- 1997 Papers Presented at the 3rd International Workshop on Plasma-Based Ion Implantation, Dresden, Germany, 15-18 September 1996, Vol. 93, no. 2/3 (1997)
- 1996 Papers Presented at the 2nd International Workshop on Plasma–Based Ion Implantation, Sydney, Australia, 12-15 February 1995, Vol. 85, no. 1/2 (1996)
- 1995 Papers Presented at the Second Australian International Conference on Surface Engineering, 7–10 March 1994, Vol. 71, no. 2 (1995)
- 1994 Papers Presented at the International Workshop on Surface Engineering, Rio de Janeiro, Brazil, 28–30 July 1993, Vol. 70, no. 2/3 (1994)

<u>Proceedings of the Association of Industrial Metallizers, Coaters and Laminators</u> <u>(AIMCAL)</u> Fall Technical Conference and Annual International Vacuum Web Coating Conference

- 2007 Proceedings of the Fall Technical Conference and 2ist International Vacuum Web Coating Conference
- 2008 Proceedings of the Fall Technical Conference and 22nd International Vacuum Web Coating Conference

Proceedings of the International Symposium on Sputtering & Plasma Processes (ISSP)

2013 – Proceedings of the 12th ISSP

MISCELLANOUS

Alessandro Volta and the Electric Battery, Bern Dibner, Franklin Watts (1964)*

Handbook of Vacuum Tube and Vacuum Techniques, Fred Rosebury, Addison-Wesley (1965)*

Materials Technology for Electron Tubes, Walter Kohl, Reinhold Publishing (1951)* The Electrochemistry of Gases and othe Dielectrics, G. Glocker and S.C. Lind, Wiley (1939)*

Rays of Positive Electricity and their Application to Chemical Analysis, J.J. Thompson, Longmans and Green (1913)*

Amateur Telescope Making, Book Three, edited by Albert G. Ingalls, Scientific American (1961)*

The Founders of Electrochemistry, Samuel Rubens, Dorrance (1975)*

Benjamin Franklin, Electrician, Bern Dibner, Brundy Library (MIT) (soft)(1971)*

The First American: The Life and Times of Benjamin Franklin, H.W. Brands, Doubleday (2000)*

Edison: A Life of Invention, Paul Israel, Wiley (1998)*

Edison: Inventing the Century, Neil Baldwin, Hyperion (1995)*

Tesla: Man of out Times, Margaret Cheney*

A History of Electricity and Magnetism, Herbert W. Mever, Brundy (1971)*

Michael Faraday, L. Pearce Williams, Basic Books (1965)*

<u>The Perfect Machine: The Palomar Telescope</u>, Ronald Florence, Harper Collins (J. Strong using Wildroot hair cream to clean telescope) (1994)*

Procedures in Experimental Physics, J. Strong, Prentice-Hall (1938) 1938/64*

Science in History, vols. 1-4. 3rd edition, edited by, J.D. Bernal, Pelican Press (1969)

IUVSTA has a bibliography of Vacuum Technology Books listed under (http://iuvsta-us.org/iuvsta2/?id=799) last update (#4) in 2003