



BOHDAN W. OPPENHEIM , Ph.D.

**LMU:**

Director, Healthcare Systems Engineering, (2013-2022)  
 Professor, Healthcare Systems Engineering (2015-2022)  
 Professor, Systems Engineering (2005-2022)  
 Professor, Mechanical Engineering (1983-2022)  
 cell 805-268-0484

[Bohdan.Oppenheim@lmu.edu](mailto:Bohdan.Oppenheim@lmu.edu)

**Kaiser Permanente Bernard J. Tyson School of Medicine:**

Adjunct Professor of Healthcare, 2023-

**EDUCATION**

- Ph.D, 1980, U. Southampton U.K., Ship Science and Aeronautics, System Dynamics
- Naval Architect (post-MS degree), 1974, MIT, Ocean Engineering
- M.S, 1972, Stevens Institute of Technology, Ocean Engineering
- B.S.(equiv.), 1970, Warsaw Technical University, Mechanical Engineering and Aeronautics ("MEiL")
- Batory High School, Warsaw, 1966

**LOYOLA MARYMOUNT UNIVERSITY, SINCE 1981**

- Director, Healthcare Systems Engineering (2013-2022). Managed the team of experts creating the innovative comprehensive Healthcare Systems Engineering (HSE) Master's program focused on healthcare delivery operations. Created curriculum and affiliations with healthcare institutions. Hired experts from KP, UCLA Health, Stanford, VA and Providence to teach courses and advise on program evolution.
- Advisor or co-advisor of 100 semester-long Capstone Projects in healthcare: at Kaiser Permanente (5 medical centers and the Regional Clinical Laboratory), USC Keck/County, Cedar Sinai, Providence St. Joseph, UCLA Health, Utah Health, VA, Memorial Care, and smaller institutions.
- Professor of Systems Engineering (2005-2022)
- Professor of Mechanical Engineering (1983-2022)

- Graduate Director of Mechanical Engineering (1995-2009)
- Former Member, Sabbatical Committee
- Director, US Department of Energy Industrial Assessment Center (2000-2007)
- Coordinator, MIT Lean Aerospace Initiative EdNet (2003-2013).

## **RESEARCH INTEREST**

- Application of Lean Systems Engineering and Systems Thinking to Healthcare Delivery Operations in clinics, hospitals, ORs, Emergency Departments, Imaging and Clinical Laboratories, Pharmacies, Population Health.

## **NATIONAL ORGANIZATIONS**

- INCOSE (International Council on Systems Engineers).
  - Founder and Co-Chair, Lean Systems Engineering Working Group, Leader of international effort by 14 experts and 200 members of Lean Systems Engineering Working Group of INCOSE developing a new body of knowledge called Lean Systems Engineering, and a major product Lean Enablers for Systems Engineering.
  - Lead person for Lean, Healthcare Working Group
- Member, Steering Committee, Joint MIT LAI/INCOSE/PMI/ Project developing Lean Enablers for Project Management, 2011-2013
- Director, US Department of Energy, LMU Industrial Assessment Center, 2000-2007
- Member, Steering Committee, Lean Education Academic (national) Network (MIT based)
- Coordinator, Lean Aerospace Initiative Educational Network (MIT based)
- Member, National Polish-American Jewish-American Council

## **HONORS AND AWARDS**

- Shingo Prize (Research Award) for Best Research and Publication, 2010, for "Lean Enablers for Systems Engineering", B. Oppenheim, E. Murman, D. Secor, Journal of Systems Engineering, Vol. 14, No, 2011
- Shingo Prize (Research Award) for Best Research and Publication, 2013, for "The Guide to Lean Enablers for Managing Engineering Programs", B. Oppenheim is the second author, with 9 other authors, PMI, INCOSE, MIT LAI
- Fellow, INCOSE (International Council on Systems Engineering), 2015
- Outstanding Service Award, INCOSE, 2015
- Fulbright Lecturing Award, Spring 2011 sabbatical, Lecturing in Poland, Italy, Russia, Norway, Sweden
- INCOSE Best Product Awards to the Lean Systems Engineering Working Group for the product called Lean Enablers for System Engineering (leader), 2009
- Distinguished Engineering Educator Award, Los Angeles Council of Scientists and Engineers, 2007
- Fellow, Institution for the Advancement of Engineering
- INCOSE Award for Collaboration (for leading the collaborative effort between PMI, the MIT LAI, and INCOSE CAB companies to develop Lean Enablers for Program

Management and Systems Engineering), 2012

- Susan C. Ruth Award for Outstanding Long Term Service to the LA Chapter of INCOSE, 2012
- The Rudnica Endowed Prize for Student-Faculty Research, LMU, 2022

## **INDUSTRIAL EXPERIENCE (CONSULTING AND PART-TIME)**

- Advisor or co-advisor of approx. 100 Capstone Research Projects in healthcare: at Alta Med, Kaiser Permanente (5 medical centers and the Regional Clinical Laboratory), Cedar Sinai, Providence St. Joseph, UCLA Health, USC Keck & LAC, Memorial Care, Utah Health, VA, and smaller institutions.
- Consultant, California High Speed Rail/Alta Vista Solution, 2015-2017
- SpaceX, cooperation in Systems Engineering, 2014-2016
- Assessed 125 industrial plants for Productivity/Lean in California, 2000-2007, under the U.S. Department of Energy Industrial Assessment Program.
- The Aerospace Corporation, 1989-1994, part time Research Engineer. Author (with S. Rubin) of POGO simulator for U.S. liquid rockets, used by NASA and rocket industry
- Northrop Electronics, 1985-1989, part time MTS
- Global Marine Development, Newport Beach, Full time, 1974-1977, Naval Architect.
- Consultant to Boeing Satellite Systems, 2001, 2003-2004, Lean Systems Engineering.
- Consultant to Capstone Turbine, Inc. Tarzana, CA, turbine engine dynamics, 1995-1996
- Consultant on dynamic mooring simulators for: PETROBRAS, Brazil; FLORAMAR, France; Giannotti, DC; Det Norske Veritas, Norway; Global Marine Drilling, Houston; ZAPATA, Houston; 1983-1990
- Consultant to NOAA, mooring dynamics, Washington DC, 1982
- Consultant to CASDE Co., L.A., capsizing of boats, 1981-81
- Consultant to US Coast Guard R&D, Washington, DC, stability of boats, 1980-81
- Consultant to TRW, OTEC plant design, 1982
- Consultant to Wolfson Marine Craft, U.K., modeling, 1977-80
- Consultant on Total Quality and Lean to 35 firms and governmental agencies in Poland, 1995- present

## **EXTERNAL GRANTS (\$1,937,000. total)**

- U.S. Department of Energy, PI, Industrial Assessment Center, \$1,400,000, 1999- 2007
- VA, VAR study, PI, \$150,000
- W. Mellon Foundation, Co-PI, \$200,000, Establish Two LMU Technology Management/TQM Centers in Poland, (1995-99)
- NSF RET, Co-PI, \$100,000
- NASA Dryden, Rhenium Project, Co-PI, \$57,000, (1995)
- NASA Dryden, Multimedia Laboratory equipment grant, PI, \$20,000, (1994)
- Kaiser Permanente, PI, \$15,000, optimization of sample transportation system
- NASA Dryden, \$20,000, Thesis co-advisor, graduate fellowship "Artificial Intelligence

- in Aircraft Automation for Ron Broderick, (1996)
- GE, TQM Implementation, curriculum development grant, PI, \$20,000, (1991, 1992)
- LMU Marymount Institute, PI, \$5,000, TV documentary on Poland, (1993)
- CDC, PI, \$100,000 equipment grant for CAE, (1986)

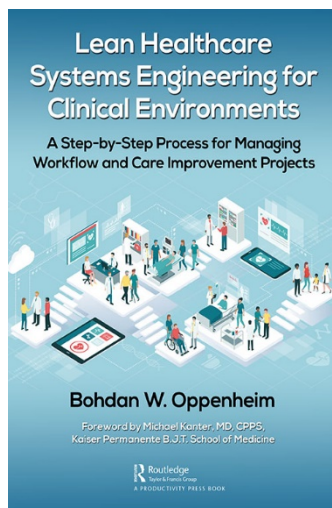
## EXTRA-CURRICULAR

- Lives in Santa Monica, California
- Two sons, two grandsons
- USCG Captain's License; 15,000 miles (Spitsbergen, US and Canada West and East Coasts, UK South Coast, Scotland, Baltic, Med.
- FCC Technician Radio License
- Collector of modern Polish art
- Organizer and panelist of the 1999 LMU and 2001 Krakow conferences on the Church-Jewish relations. Two books. Book endorsements from Zbigniew Brzezinski, Jerzy Giedroyc, Jan Nowak-Jezioranski, Jerzy Turowicz, Rev. Wexler-Waszkine
- Nine articles in Gazeta Wyborcza and in Studio Opinii.

## BOOKS, PUBLICATIONS AND PRESENTATIONS

### Technical Books, Book Chapters, and Journals

- **Book *Lean Healthcare Systems Engineering for Clinical Environments, A Step-by-Step Process for Managing Workflow and Care Improvement Projects*, B.W.Oppenheim, Routledge, in print in Spring 2021**



### Book endorsements:

“Every day that our health care systems malfunction, there is a huge opportunity cost in terms of money, mortality, morbidity, on-going health disparities, and patient frustration. I believe that this book has a huge potential to solve many problems using less resources and less time.” – **Michael Kanter, MD., CPPS, Professor and Chair of Clinical Science; Kaiser Permanente Bernard J. Tyson School of Medicine; former Regional Medical Director of Quality & Clinical Analysis, Kaiser Permanente**

“The very complex and fragmented US healthcare system continues to challenge us to meet the needs of patients and providers for care that is affordable and of consistent high quality. Dr. Oppenheim’s book on Lean Healthcare Systems Engineering (LHSE) offers a straightforward rigorously applied methodology that serves as a very effective approach toward achieving measurable and impactful improvements in the efficiency and quality of care. I can confidently recommend his book based on my personal experience as a physician leader who has successfully employed LHSE and its Lean enablers to improve healthcare delivery in a variety of clinical settings.” - **F. Ronald Feinstein, DMD, MD, FACS, Clinical Professor of Surgery Keck School of Medicine of USC; Assistant Area Medical Director and Physician Manager Surgical and Support Services Emeritus Kaiser-WLA; Regional Chief of Plastic Surgery Emeritus Southern California Permanente Medical Group**

“The book and author’s thoughtful and robust insights are the perfect prescription for anyone with a serious desire to remedy the complex, and broken healthcare delivery system. The technical details and real-life examples provide a much needed road map for the journey from theory to actual and attainable, practical improvement.” – **Gail Lindsay, RN, MA, SCAL Region Chief Quality Officer, Providence St. Joseph**

“Based on my own experience, both as a practicing Chief of Pediatrics and as an Assistant Area Medical Director responsible for Quality Improvement, this is a very readable, yet thorough work grounded in the reality of actually improving medical care. A groundbreaking contribution to the field. Masterful.” - **Stephen Tarzynski, MD., MPH, Kaiser Permanente, President of California Physicians Alliance (CaPA).**

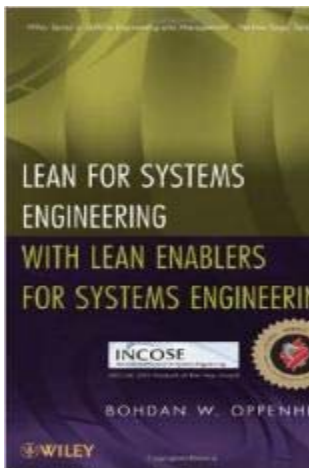
“This book supplies a roadmap for anyone interested in taking the best aspects of systems engineering and lean thinking and applying them in a pragmatic way to healthcare delivery. It is understandable by everyone, but valuable even to experienced practitioners.” - **Christopher Unger, Ph.D., INCOSE Healthcare Working Group Leader, Chief Systems Engineer, GE Healthcare**

“The application of systems engineering and lean processes to the healthcare industry is an important enabler to the INCOSE vision of “a better world through a systems approach.” This text describes a new process Lean Healthcare Systems Engineering (LHSE) for managing workflow and care improvement projects in clinical environments. Following the step-by-step process identified in this text can contribute to higher quality of project work and project results with fewer frustrations, I encourage readers to give it a try!” - **Marilee J. Wheaton, President-Elect and Fellow, International Council for Systems Engineering (INCOSE), Systems Engineering Fellow, The Aerospace Corporation**

“More now than ever with the pandemic the Lean Healthcare System Engineering will expeditiously address systems issues, so this book is timely.” - **Jamie Gearon, Chief, Process Improvement Office, VA Greater Los Angeles Healthcare System**

“I train/coach individuals and teams who are embedded in healthcare provider organisations directly. I would recommend this book to my apprentices as a valuable complementary perspective from someone who has seen it, done it and is teaching it.” - **Dr. S. R. Dodds MA, MS, FRCS. Health Care Systems Engineer and Consultant Surgeon, United Kingdom**

- **Book *Lean for Systems Engineering with Lean Enablers for Systems Engineering*, B. Oppenheim, Wiley, 2011. (Shingo Award)**



### **Book Endorsements**

"Bohdan W. Oppenheim has pulled together experience-based insights of experts across industry, government and academia into a comprehensive sourcebook for lean systems engineering principles and practices. This book can educate those new to lean engineering, as well as provide new insights and enablers that best-in-class organizations will want to adopt" - **Dr. Donna H. Rhodes, Principal Research Scientist, SEArI and LAI, Massachusetts Institute of Technology "**

"Lean for Systems Engineering" is targeted at the practitioner who is trying to make systems engineering more effective in her or his organization or program. Yet its scholarly underpinnings make the text very suitable for teachers. Educators and trainers who wish to weave lean thinking into their systems engineering curriculum will find this an invaluable text." - **Earll M. Murman, MIT Ford Professor of Engineering Emeritus, Port Townsend, WA.**

"At last, a book that distills years of research and scholarly inquiry into a concise and coherent form for both the student and practitioner. This book will become the favored

guide and "must- read" for any engineer and manager trying to establish and maintain lean practices and principles in their systems engineering/product development processes."

- **J. Robert Wirthlin, PhD, Lt Col, USAF, Air Force Institute of Technology, Program Director of the Graduate Research and Development Management Program; Visiting Faculty, US Air Force Center for Systems Engineering.**

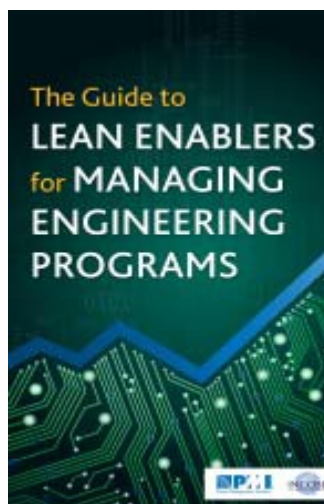
"A vital contribution to linking lean practices to systems engineering. I will definitely use it as a reference for my course and writings on *A value approach to product and system development*". - **Dr. Stanley I. Weiss, Consulting Professor, Dept. of Aeronautics and Astronautics, Stanford University.**

"Taking the opportunity to develop and refine the Lean Enablers for Systems Engineering provided clear direction for Lean Engineering Accelerated Planning at Rockwell Collins. The Lean Enablers form a solid basis for Lean Product Development. Following this checklist and methodology promotes Lean value and waste elimination - and common sense best practices." - **Deborah A. Secor, Principal Project Manager and Lean Master, Rockwell Collins.**

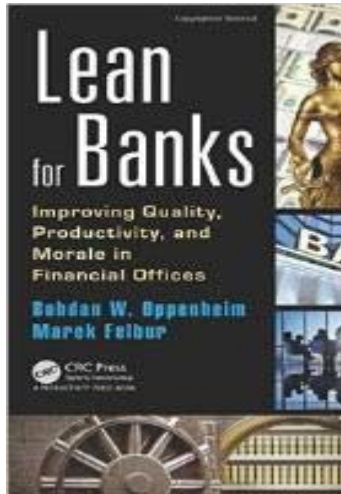
"Bo Oppenheim has been at the forefront of lean systems engineering for the better part of the last decade... An ardent advocate of lean systems engineering, the author has offered an honest appraisal of where lean systems engineering stands today. Practitioners interested in lean systems engineering will find the lean enablers especially useful. "

- **Azad M. Madni, Ph.D., Professor and Director, SAE Program, Viterbi School of Engineering; Professor, Keck School of Medicine, University of Southern California**

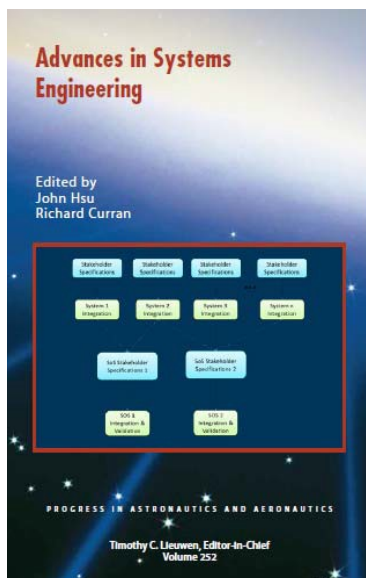
- **Book *The Guide to Lean Enablers for Managing Engineering programs*, Oppenheim (second author, with 8 co-authors), PMI-INCOSE-MIT LAI 2012. (Shingo Award)**



- **Book: *Lean for Banks, Improving Quality, Productivity and Morale in Financial Offices*, B.W. Oppenheim & M. Felbur, CRC Press, 2014**

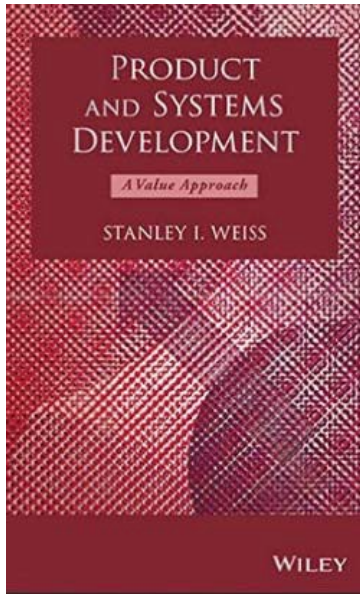


- **Chapter on Lean Systems Engineering in the book “*Advances in Systems Engineering*”, Bohdan W. Oppenheim and Cecilia Haskins.**

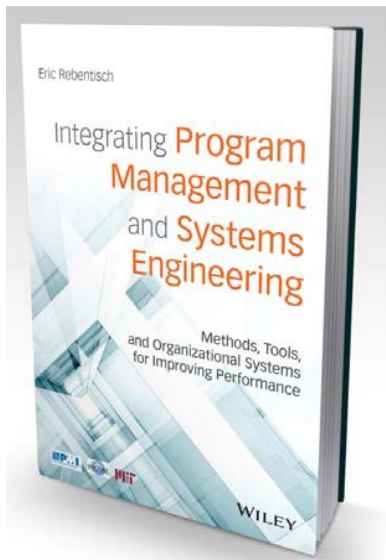


- **Chapter on Lean Systems Engineering in the book “*Product and Systems Development: A Value Approach*”, Stanley I. Weiss, Wiley 2013**

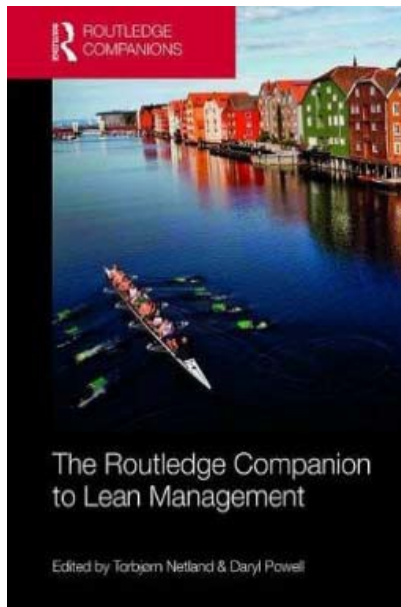




- Introduction Chapter in the book “*Program Management and Systems Engineering Integration*”, Eric Rebentisch ed., Wiley, 2017



- Chapter on Lean in the book “*The Routledge Companion to Lean Management*”, B.W.Oppenheim and Cecilia Haskins. Routledge, 2016.



- INCOSE Handbook 2023, Chapter on Lean Systems Engineering
- White Paper "*Comparison of Lean Healthcare Systems Engineering Process (LHSE) for Healthcare Improvement Projects with Earlier Improvement Initiatives (TQM, Six Sigma, Lean, ToC)*", B.W.Oppenheim, M. Kanter and A. Buczacki, INCOSE Healthcare WG, 2022.
- INCOSE Systems Engineering Body of Knowledge (SEBoK), v. 6.0 Chapter on Lean Healthcare, 2016.
- "*Program Requirements: Complexity, Myths, Radical Change, and Lean Enablers*", B. W. Oppenheim, PMI White paper, May 2015
- "*Premature Allocation of Program Requirements to Suppliers*", B. W. Oppenheim, *CrossTalk Defense Journal*, summer 2015
- "*Lean Systems Engineering and Lean Enablers for Systems Engineering*", B. Oppenheim, Chapter in book "*A Value Approach to Products Development*" by S. Weiss, 2014
- Chapter "*Lean Systems Engineering*", *INCOSE Systems Engineering Handbook* v. 4.0, 2015
- "*Improving Affordability: Separating Research from Development and from Design in Complex Programs*", B. W. Oppenheim, *CrossTalk Defense Journal*, 25<sup>th</sup> Anniversary Issue, July/August 2013, Vol. 26 No. 4.
- "*Lean Enablers for Systems Engineering*", *Journal of Systems Engineering*, February, 2011 (**INCOSE Best Product Award, Shingo Award** for Best Research and Publication)
- "*Lean Enablers for Systems Engineering*", *CrossTalk Defense Journal*, July/August 2009.
- "*Energy Conservation from Lean Manufacturing*", invited chapter, Bohdan W. Oppenheim, *Encyclopedia of Energy Engineering*, Marcel Dekker, 2007.
- "*Impact of Productivity on Energy Conservation*", *Strategic Planning for Energy and the Environment*, Vol. 26, No. 3, 2007,
- "*Lean as a Way of Thinking*" - 13 page cover-story interview with B. Oppenheim,

- Quality Management Journal (Zarządzanie Jakością) , Nr.3, Vol. 5, 2006.
- "Energy Conservation from Lean Manufacturing", Encyclopedia of Energy Engineering", Taylor & Francis, 2007
- "Lean Product Development Flow", J. of Systems Engineering, Vol. 7 (4), Nov. 2004
- Management - a 20 page invited entry in The New Social Dictionary, with Z. Przasnyski, WAM Publication House, 2004
- "Lean Methods - New Revolution or Evolution of TQM?", Management Inspirations Series, Master of Business Administration, No.2(49), 2001.
- "Introduction to Lean Methods" by J. Womack and D. Jones, *Odchudzanie Firm*, Polish Edition, CIM, Warsaw, 2000.
- "Total Quality Requires Serious Training", w/Z. Przasnyski, Quality Progress (ASQ Journal), October 1999, pp. 63-73.
- "American Center for Quality Management", with Z. Przasnyski, I. Durlak, in Polish, *Ekonomika Organizacji Przedsiębiorstwa*, 7/558, June 1996
- "Advanced Pogo Stability Analysis for Liquid Rockets", w/S.Rubin, Journal of Spacecraft and Rockets, AIAA, Vol.30, Number 3, May-June 1993, pp 360-373.
- "Pogo Suppression on Atlas II", Quarterly Technical Report, Vol. 10, Number 1, The Aerospace Corporation, 1991.
- "Interactive Design and Operations of Moorings", Trans. ASME, Journal of Offshore Mechanics and Arctic Engineering, November 1989.
- "Polynomial Approximations to Mooring Forces in Equations of Low-Frequency Vessel Motions", w/P.A. Wilson, J. of Ship Research, Vol. 26, No 1, March 1982, pp 16-24
- "Low-Frequency Dynamics of Moored Vessels", w/P.A. Wilson, Marine Technology, Vol. 19, No. 1, Jan. 1982, pp 1-22
- "Static 2-D Solution of a Mooring Line of Arbitrary Composition in the Vertical and Horizontal Operating Modes", w/P.A. Wilson, Int. Shipbuilding Progress, Vol. 29, No. 334, June 1982.
- "Continuous Digital Simulation of the Second-Order Slowly Varying Wave Drift Force", w/P.A. Wilson, J. of Ship Research, Vol. 24, Number 3, Sept. 1980

## INVITED LECTURES AND KEYNOTE TALKS

### Lectures on Healthcare Systems Engineering:

- INCOSE Healthcare WG (4 times)
- Soc. for Healthcare Process Improvement (2)
- UCLA Executive Leadership Council
- CSULB Health Program
- Mills College
- Polish Langas Group at LMU
- PIE Club, Riverside
- Langas Group, Warsaw
- LMU (6 times)
- GVA Los Angeles

### Lectures on Lean Systems Engineering and Lean Enablers for Systems Engineering:

- Loyola Marymount University, Los Angeles (4)

- INCOSE- LA Miniconference, Organizer of Panel on Systems Thinking, 2014
- INCOSE CSER- Organizer of sessions on Lean and Agile, 2014
- INCOSE -Cedar Rapids (Oct. 2007)
- Northrop Grumman, Jan. 2009
- Am. Soc. Mfg. Engineers, Feb. 2009
- INCOSE- Israel (2), March 3, 2009
- INCOSE- Los Angeles, March 21, 2009
- Boeing Lean Conference, April 2009
- IPPDE, Denver, 2009
- MIT Club of S.C., 2009
- INCOSE- France, EADS and AFIS, May 26, 2009
- INCOSE- Seattle, September 2009
- The Aerospace Corporation, Sept. 2009
- Booz Allen Hamilton, Los Angeles, Oct. 2009
- INCOSE-University College London, Jan. 2010
- Stevens Institute of Technology, Feb. 17, 2010
- Naval Postgraduate School, Monterrey, CA, Feb. 24, 2010
- MIT LAI Knowledge Exchange Event, Dana Point, March 23, 2010
- Lean Software Conference, Atlanta, GA, April 25, 2010
- EuSec, Stockholm, may 23-26, 2010
- INCOSE IS, Chicago, July 11-15
- Naval Postgraduate School, Sept. 22, 2010
- Partners in Business, Utah State University, Sept. 29,2010
- Kongsberg Defense Systems, Oslo, Norway, Nov. 23., 2010
- Industrial Forum of Kongsberg, Oslo, Nov. 24, 2010
- Politecnico di Bari, Italy, May 24, 2011
- Politecnico di Milano, Italy, May 26, 2011
- Sapienza University di Roma, May, 27, 2011
- Akademia Obrony Narodowej, Warsaw, April 2011
- Polish Academy of Sciences, Institute for Systems Research, Warsaw, April 2011
- Polish Academy of Sciences, Institute for Systems Research, Warsaw, June 2011
- Politechnika Wroclawska, May 2011
- National Research Technological University MISA, Moscow, May 2011

### **Lectures on Lean Product Development Flow**

- MIT Engineering Systems, April 2004
- MIT Lean Aerospace Initiative Seminar, April 15, 2004
- Lean Aerospace Initiative Plenary Conf., Dana Point, January, 2004.
- LAI Educational Network Annual Meeting, November 10, 2005, USC and Northrop Grumman
- Airbus, Hamburg, May 11-12, 2006
- Lean Business Systems and Beyond, Advanced Production Management Systems Conference, Wroclaw, Poland, Sep.18-20
- USC, Systems Engineering, Lean Operations SAE599, March 21, 2006 (DVD available)
- USC, Systems Engineering, Lean Operations SAE599, October 4, 2006 (DVD available)
- Lean Enterprise Conference, Boeing IDS, April 25, 2006

- MIT Lincoln Labs, Sept. 23, 2007,
- Mars, Poland, December 19, 2007
- France Telecom (PL), Warsaw, January 3, 2007
- Annual IFIP Conference, Wroclaw, June 19, 2007
- Kongsberg Defense Systems, Oslo, Norway, Nov. 23, 2010
- Industrial Forum of Kongsberg, Oslo, Nov. 24, 2010

## NON-TECHNICAL JOURNALS, BOOKS AND BOOK CHAPTERS

- Book *"Dzienniki Polskiego Lotnika Witka Dowoyny-Sylwestrowicza i jego zony Hanki 1939-1946"*, B.W. Oppenheim editor, Biblioteka Historyczna Instytutu Lotnictwa, Warszawa, 2022 (in Polish)
- Book *„Rachunek Sumienia: Kościół Polski wobec Antysemityzmu”*, 1989-1999", B.W.Oppenheim, WAM, Cracow, 1999, in Polish
- Book *“Examination of Conscience-The Polish Church Confronts Anti-Semitism”*, 1989-1999", B.W.Oppenheim, LMU, Los Angeles, March 1999.
- *"The Polish Church Examines Its Conscience"*, w/T. Rausch, America, July-August 1999, pp. 19-20.
- *"Mature for Reconciliation"*, WIEZ (in Polish), 9(491), 1999, pp. 68-77, Warsaw.
- *"Stereotypes in Polonia"*, WIEZ (in Polish,), 10(492), October 1999, pp. 135-140, Warsaw.
- Foreword to the Polish Edition of *Contemporary Priesthood* by T. Rausch, by B.Oppenheim and T. Rausch, WAM, Krakow, 1996.
- *"Social Role of the Church in Recent Poland; Seven Interviews."* Zeszyty Historyczne No. 108. The Institut Litteraire, Maison Lafitte, Paris, France, 1994.

## TECHNICAL VIDEO

- Director, Integrated Prototyping, LMU M.E. Video Laboratory. NSF, 1998.

## NON-TECHNICAL FILM

- Director, producer: **The Polish Cross (Polski Krzyż)**, historical interviews with Polish leaders about the controversial social role of the Catholic Church in Poland:
  - Bp. Bronisław Dembowski, Włocławek
  - Prof. Jerzy Galkowski, KUL
  - Fr. Wojciech Giertych, OP
  - Gen. Wojciech Jaruzelski, former President of Poland
  - Prof. Jerzy Kłoczowski, KUL
  - Aleksander Kwasniewski, former President of Poland
  - Fr. Jerzy Mac, Rzeszów cathedral
  - Aleksander Malachowski, Partia Pracy, leader
  - Fr. Prof. Józef Tischner
  - Jerzy Turowicz, Tygodnik Powszechny
  - Jerzy Urban, journalist
  - Prof. Alfred Wierzbicki, KUL
  - Jerzy Wozniakowski, ZNAK
  - Prof. Tadeusz Zieliński, Radca Praw Obywatelskich
  - Krzysztof Zanussi, film director
  - Artur Zawisza, politician

10 showings in Europe and U.S. Taped in 1993. Interviews by Bohdan W. Oppenheim. The interviews published by J. Giedroyc in **Zeszyty Historyczne** #108 by Institut Littéraire, Paris.

- **Youtube:**
  - English version (60 min):  
<https://www.youtube.com/watch?v=FwftuCe--CM>;
  - Polska wersja (3 x 30 min):  
<https://www.youtube.com/watch?v=muTNUNEajNk>