

ENPROMAC

ENGINEERING & PROPERTY MANAGEMENT CONSULTANTS, INC.

"Choreographers for the Construction Industry"

PROFESSIONAL PROFILE

FREDRIC L. PLOTNICK, Ph.D., Esq., P.E.

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Jenkintown, PA 19046

215-885-3733



Summary:

Forty-plus years "hands-on" experience focusing upon the legal and technical aspects of project controls and the management of engineering design and construction.

Licenses & Registration:

Professional Engineer	PA#26353 NJ#26066 FL#30093 MD#32896
Attorney at Law	PA#32429 NJ#16522 FL#327441
Land Surveyor	PA#1418
Real Estate Broker	PA#48099

Education:

Ph.D. Civil Engineering	2008 Drexel University
J.D. Law	1980 Widener University
MSCE Construction Management	1977 Drexel University
BSCE Soils/Foundations	1975 Drexel University

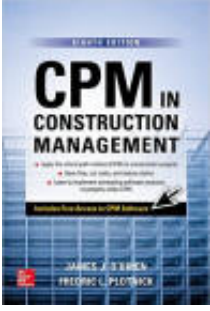
University Experience:

Drexel University	Professor	1979 - present
Civil Engineering and Engineering Management	Adjunct	
Temple University	Professor	2009 - present
Civil and Environmental Engineering	Adjunct	
University of Pennsylvania	Associate Professor	1990 to 1996
Systems Engineering	Adjunct	

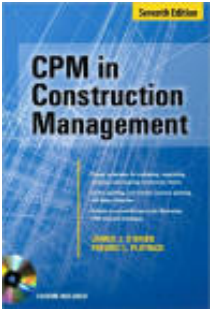
Consulting & Engineering Experience:

Project Controls - CPM Planning and Scheduling	
Computer Applications - Cost Engineering	
Legal Aspects of Project Management - Claims	
Principal and President	1983 to present
Engineering & Property Management Consultants, Inc.	
- providing project controls and claims resolution services to the engineering and construction industry	
Associate Corporate Counsel	1981 to 1983
Fuller Company (GATX) of Bethlehem, PA	
- case preparation for six multi-million dollar disputes located domestically and overseas	
Manager of Project Controls	1980 to 1981
IU Conversion Systems of Horsham, PA	
- creation and management of a new department of planning, scheduling and cost engineering to manage design and nationwide construction of \$10mm to \$20mm process plant projects	
Senior Staff Consultant	1978 to 1980
Hill International of Willingboro, NJ	
- liaison between Hill's subsidiary CPM consultant and Hill's claims group during assimilation period, providing CPM analysis and claims for various projects	
Field Cost Engineer	1976 to 1978
Bechtel Power Corporation at Pottstown, PA	
- reviewing productivity and methods for improvement on the Limerick Nuclear Generating Station	
Graduate Engineer	1975 to 1976
City of Philadelphia , PA - Water Department	
- assisting consultant to implement first Water Department use of a CPM based scheduling program	
Co-op Engineering Student	1970 to 1974
- Urban Engineers - Philadelphia, PA - design detailing	
- Philip Plotnick Sons - Philadelphia, PA - site rep building townhouses	
- City of Philadelphia, PA - Airport Division - field inspection Cargo City	
- City of Philadelphia, PA - Airport Division - survey team	
Attorney	1980 to present
- First chair jury trial and bench trial experience	
- Medical Malpractice, Contract, Landlord/Tenant Disputes	
- Commercial and residential real estate settlements	
- Guest lecturer Widener Law School on A/E liability	

Publications, Patents, Papers and Presentations:



[CPM in Construction Management](#), 8th Edition, James J. O'Brien and Fredric L. Plotnick, McGraw-Hill, 2016. ISBN 978-0-07-163662-9



[CPM in Construction Management](#), 7th Edition, James J. O'Brien and Fredric L. Plotnick, McGraw-Hill, 2009. ISBN 978-0-07-163662-9

[CPM in Construction Management](#), 6th Edition, James J. O'Brien and Fredric L. Plotnick, McGraw-Hill, 2005. ISBN 0-07-145769-0

[CPM in Construction Management](#), 5th Edition, James J. O'Brien and Fredric L. Plotnick, McGraw-Hill, 1999. ISBN 0-07-048269-1

[Contracts and the Legal Environment for Engineers & Architects](#), 7th edition, Joseph T. Bockrath and Fredric L. Plotnick, McGraw-Hill, 2010. ISBN 978-0-07-339784-9 now also in paperback student edition ISBN 978-1-30-894246-9

[Update on RDM](#), [The Measurable News](#), Summer 2008, Issue 3, Published by the PMI College of Performance Measurement, p 1 *et. seq.*

Rewriting the CPM Scheduling Specification to Better Support the Project Owner, [The Construction Lawyer](#), Summer 2015, Vol 35, No 3, p 31
Evidence Issues in Forensic Use of CPM Scheduling, [The Construction Lawyer](#), Fall 2011, Volume 31, Number 4, p 25 *et. seq.*

[Understanding and Proving Construction Delay Claims](#), [The Practical Real Estate Lawyer](#), Vol. 2 No. 4 JULY 1986, Published by American Law Institute of the American Bar Association Committee On Professional Education, pp 67 - 77.

Developer and Certification of [RDCPM®](#) - evolving CPM from format of ADM to PDM and now RDM

System and Method for Handling NP-Complete Problems - U.S. Patent 7,860,814, issued 28DEC10

Multi-Hierarchical Reporting Methodology - U.S. Patent 8,805,919, issued 16APR14

Numerous Presentations for Legal and Technical Societies and in Private and Trade Group Forums, including:

- Primavera™ User Conferences
- Andrews' Contractor's Construction Superconference
- Project Management Institute (PMI)
- College of Scheduling
- College of Performance Management
- Delaware Valley Chapter
- Association for Advancement of Cost Engineering International
- American Society of Professional Estimators
- Engineers Club of Philadelphia - Professional Courses
- Pennsylvania Society of Professional Engineers - State Meetings and Boot Camp
- PSPE Philadelphia - Chapter Meetings and Boot Camp
- ABA Forum for Construction [Journal articles](#) and at [Annual Meeting](#)
- New Jersey State Bar Association ICLE and Construction Committee CLE
- Montgomery County Bar Association Construction Committee CLE
- Philadelphia Bar Association Construction Subcommittee CLE

ENR.com Blog [The Next Generation](#) and [Viewpoint](#) - since September 2009

Founder of the [Construction CPM Conference](#) - since 2010

- Successor to Primavera User Conference - now a multi-software platform for professionals of CPM planning & scheduling
- Rotating between Walt Disney World, New Orleans, Galveston, San Diego
- Our Continuing Mission is:
 - to explore leading edge CPM scheduling concepts
 - to seek out new expert schedulers and software solutions
 - to boldly go where no scheduling conference has gone before
 - accredited by PMI for up to 24+ PDH,
 - accredited by Florida Bar for up to 20+ hours towards Construction Certification

Professional Associations:



Pennsylvania Society of Professional Engineers

- President of the Philadelphia Chapter 1989-90, 1998-99, 2009-10-11, **2019-20**
- Past State Director for the Philadelphia Chapter
- Editor of Newsletter - [The Philadelphia Engineer](#) - Webmaster www.pspe-philly.org
- Chair [High School Scholarship](#) Awards - Philadelphia Chapter
- Chair [Outstanding Engineering Achievement](#) Award Competition
- Founder and Chair State PSPE Continuing Education Boot Camp since 2011



American Society of Civil Engineers

- Past Chair of the Philadelphia Chapter Construction Group
- Past Chair of the Philadelphia Chapter Audit Committee
- "In-house Counsel" for Revision of Constitution Philadelphia Chapter



Association for the Advancement of Cost Engineers

- Speaker at National Conferences
- Speaker at Delaware Valley Section
- Text [CPM in Construction Management](#) is a primary reference for AACE PSP exam



Project Management Institute

- [College of Scheduling](#) now transitioned to [Scheduling Community of Practice](#)
- Past Vice President of Education
- Past Director of University Relations
- Past Chair R&D Technical Papers of Annual Conferences
- [College of Performance Management](#)
- Speaker at Annual International Integrated Program Management Conference
- [Delaware Valley Chapter](#)
- Speaker

Bar Associations of PA, NJ, FL, Philadelphia and Montgomery County

- [Forum Committee on the Construction Industry of the ABA](#)
- Disciplinary Study Group of the Pennsylvania Bar
- Health Care Study Group of the Pennsylvania Bar
- Construction Contracts Committee of the Montgomery County Bar
- Past V.P. Construction Contracts Subcommittee of the Philadelphia Bar
- Speaker for Bar Associations of PA, NJ, Philadelphia and Montgomery County
- Construction CPM Conference - approved for continuing education by Florida Bar

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