David Lucht Papers

ABSTRACT:
These are papers of David Lucht, the first director of the Center for Fire Safety Studies at Worcester Polytechnic Institute (1978-2004). They include course notes from his undergraduate courses in fire protection engineering at Illinois Institute of Technology, 1961-1965. Also included are papers by Professor Lucht and articles about him.

BIOGRAPHICAL NOTE:
David Lucht grew up in Middlefield, Ohio. He was a junior fire fighter there when he was a teenager. He graduated from the Illinois Institute of Technology in 1965, with a B.S. in fire protection and safety engineering. At that time, IIT had the only fire protection engineering program in the U.S. He worked for the Insurance Services Office of Ohio and did fire testing and research at Ohio State University. In 1973 he wrote Ohio's first Fire Code. He worked as Ohio's state fire marshal until 1975, then worked for the U.S. government as the first deputy administrator of the U.S. Fire Administration from 1975 to 1978. He was executive vice president of Firepro, Inc. from 1978 to 1985. In 1978 he was hired to head the new Center for Fire Safety Studies program at WPI, working one day a week. In 1985, with substantial growth of the program, Lucht became the full-time director of the Center for Fire Safety Studies. When Lucht retired in 2004, the Fire Protection Engineering Department had six full-time professors and 160 students, and was considered one of the top programs of its kind in the world. David Lucht has served on the Board of Directors of the NFPA, was president of the Society of Fire Protection Engineers, and on the board of Underwriters Laboratories. He is the author of many papers and recipient of many awards related to fire safety science.

Note: two articles provided some of the material for the biographical note -- "Professor Shapes Fire Protection's Future," by Paul E. Teague, in NFPA Journal, September/October 1993; and "He helped write the rules on fire safety," by David Shoetz in The Boston Globe, June 8, 2004.

SCOPE AND CONTENT:
This collection contains five binders of notes of courses David Lucht took in Fire Protection Engineering at Illinois Institute of Technology, from 1961-1965.

Also in the collection are papers written by David Lucht, talks and lectures given by him, testimony given at a public hearing, and articles about him. Of particular significance are the first Ohio State Fire Code, and the history of the first 25 years of the Fire Protection Engineering program at WPI.

There is also a loose-leaf notebook, the 1921 edition of Analytic System, with revisions added in the 1960s.

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**David Lucht Papers**

This series is comprised of 5 binders of course notes from the Illinois Institute of Technology

### Series I - Fire Protection Engineering Student Class

#### Notes, 1961-1965

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**Container List**

**Date**

**Title**

Public Fire Protection; Structural Fire Protection: lecture notes, class handouts, examinations, laboratory reports

Structural Fire Protection (continued); Fire Extinguishing & Detection Systems; FPE Laboratory; FPE Laboratory: lecture notes, class handouts, examinations, laboratory reports

FPE Laboratory; Fire Extinguishing & Detection Systems; FPE Laboratory; Industrial Hazard Control: lecture notes, class handouts, examinations, laboratory reports

Industrial Hazard Control (continued); Industrial Hazard Control; Electrical Hazard Control; Industrial Safety I; Industrial Safety II: lecture notes, class handouts, examinations, laboratory reports

FPE 303: Hazard Classification of Materials, Fire Performance of Glass Block Wall; Fire Tests of Floor and Ceiling or Roof Constructions; Fire Performance of Roof Covering Materials. FPE 304: The Venturi and Orifice Plate Meters; The Flow Nozzle and Pitot Tube Meter; Friction Head Loss in Pipe; Dry Pipe Sprinkler Systems. CE 323 (Civil Engineering Materials Laboratory): Heat Effects on Concrete. FPE 403: Fire Pumps; Friction Loss and Flow in Piping; Automatic Sprinkler Systems; Portable Extinguishers; Hydraulic Characteristics of Sprinkler Systems. FPE 404: Central Furnaces; Study of Carbon Dioxide Systems; Air-Foam and Air-Foam Equipment; Heat Detection Devices

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**David Lucht Papers**

**Series II - Papers, articles, talks by and about David Lucht**

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<td>May 18, 1982</td>
<td>&quot;Graduate Studies in the Fire Sciences&quot; by David Lucht</td>
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<td>Box 03</td>
<td>Folder 02</td>
<td>March 1984</td>
<td>&quot;Fire Protection Engineering Graduate Program Takes Hold&quot;</td>
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<td>Box 03</td>
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<td>1989</td>
<td>&quot;Coming of Age&quot;</td>
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*Paper presented at Annual Meeting of National Fire Protection Association in Fire Journal*

*Journal of Fire Protection Engineering, 1 (2)*
Box 03 Folder 04 August 1992 "Changing the Way We Do Business" Fire Technology
Box 03 Folder 05 November 1993 "America Burning: Chapter 18" ISFSI
Box 03 Folder 07 July 1995 "Performance-based Fire Safety Design in the United States..." "...an update from the Society of Fire Protection Engineers" Presentation at International Conference on Fire Safety by Design
Box 03 Folder 08 July 10, 1995 "Strategies for Shaping the Future" Transcribed talk, NIST
Box 03 Folder 09 November 1995 "Public Policy & Performance-based Engineering" FPC (Fire Protection Contractor)
Box 03 Folder 10 March 1996 "Fire Protection Engineering at WPI - 1865" Draft - Presented at International Conference on Performance-based Codes & Fire Safety Design Methods
Box 03 Folder 11 September 24-26, 1996 "Public Policy and Performance-Based Engineering" President's Commission on Critical Infrastructure Protection, Boston, MA
Box 03 Folder 12 June 6, 1997 Testimony at Public Hearing Fire Protection Engineering, Issue Number 3 Paper
Box 03 Folder 13 Summer 1999 "Progress in Professional Practice" Paper
Box 03 Folder 15 2002 & 2003 "The Role of Post-Secondary Education in Advancing..." and "Building a Discipline..." Articles about David Lucht, in NFPA Journal and Boston Globe by David Lucht
Box 03 Folder 16 1993 & 2004 "Professor Shapes Fire Protection's Future," "He Helped Write the Rules on Fire Safety" contains an explanatory note of the significance of this document
Box 03 Folder 17 May 2004 Paper - "The First 25 Years of Fire Protection Engineering Graduate Studies at WPI, 1979-2004" by David Lucht
Box 03 Folder 18 1973 Publication - "Ohio Fire Code," first edition, written by David Lucht

David Lucht Papers MS 54_03 Personal Papers

Series III - Notebook and Conference Proceedings

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<td>June 9-11, 1999</td>
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Loose-leaf notebook, published 1921, with additions in 1960s

held at WPI

contemporary