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## Mario G. Salvadori Lectures 4080188

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Description is written in: English.

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## Summary Information

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<b>Repository:</b>	Rare Book and Manuscript Library
<b>Creator:</b>	Salvadori, Mario, 1907-1997
<b>Title:</b>	Mario G. Salvadori Lectures
<b>ID:</b>	4080188
<b>ID:</b>	UA#0025
<b>Date [inclusive]:</b>	1954-1986
<b>Physical Description:</b>	0.83 linear feet 2 document boxes
<b>Language of the Material:</b>	English .
<b>Abstract:</b>	This collection contains full transcripts and notes of lectures given by Professor Mario G. Salvadori on the humanistic aspects of technology. Salvadori delivered most of these lectures in a semester-long course "The cultural impact of engineering." Additional notes from campus lectures were added to this collection in 2018.

### Preferred Citation

Identification of specific item; Date (if known); Mario G. Salvadori Lectures, 1954-1986; Box and Folder; University Archives, Rare Book & Manuscript Library, Columbia University in the City of New York.

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## Biographical / Historical

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Mario George Salvadori, born in 1907 in Rome, Italy, was a member of Columbia University's faculty in the areas of engineering and architecture for more than thirty years. After receiving engineering and mathematical doctorates from the University of Rome in 1930 and 1933, Salvadori taught at that institution until 1938. In 1939 he immigrated to the United States where he became a lecturer at Columbia University in 1940. He attained the rank of professor of civil engineering in 1946 and eventually became professor emeritus of architecture and James Renwick Professor Emeritus of Civil Engineering in 1975. In 1991 he received the Pupin

Medal, the highest honor awarded by the School of Engineering and Applied Sciences for his contribution to science. A pioneer in architectural engineering, Salvadori was a prolific author and consulting engineering for several institutions and projects, most significantly for the Manhattan Project between 1942 and 1944. Salvadori died in 1997.

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## Scope and Content

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This collection contains full transcripts of lectures given by Professor Mario G. Salvadori on the cultural impact and content of engineering. Salvadori delivered these lectures in the course Engineering 1101y "The Cultural Impact of Engineering," or alternately "The Cultural Impact of Technology." This introductory course for freshmen addressed the ethical problems and the responsibilities of the engineering profession in the development of a technical culture. Engineering, according to the course description, was "considered both as a technological field of endeavor and as a cultural field interacting with a number of other professional fields, such as medicine and law." In these lectures Salvadori focuses on the origins of engineering and argues for equipping engineers with a broad base of knowledge beyond the sciences.

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## Scope and Content

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In 2018, Matthys Levy, a former student, colleague and co-writer of Salvadori, donated to the University Archives additional lecture notes. These notes include notes from Salvadori's University Lecture (1979) and from The Aesthetics of Technology series (1986).

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## Arrangement

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This collection is arranged in two series.

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## Administrative Information

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### Publication Statement

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URL: <http://www.columbia.edu/cu/lweb/indiv/rbml/index.html>

### Revision Description

File created. New record series for the 2018 addition. EAD was imported spring 2019 as part of the ArchivesSpace Phase II migration. 2017-06-30 09/28/2018 2019-05-20

### Restrictions on Access

There are no restrictions on this collection.

### Restrictions on Access

This collection is located off-site. You will need to request this material at least three business days in advance to use the collection in the Rare Book and Manuscript Library reading room.

### Terms Governing Use and Reproduction

Reproductions may be made for research purposes. The RBML maintains ownership of the physical material only. Copyright remains with the creator and his/her heirs. The responsibility to secure copyright permission rests with the patron.

### Ownership and Custodial History

The original collection was donated to Columbiana by Professor William Gross of the University of New Mexico in 2001. Matthys Levy donated the additional materials in 2018.

### Processing Information

This collection was processed by Jennifer Preissel. Finding aid written by Jennifer Preissel in February 2002 and updated by Joanna Rios in June 2017 and in September 2018.

**Accrual**

No additions are expected.

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**Controlled Access Headings**


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- Lectures
- Columbia University -- Faculty
- Columbia University. Department of Civil Engineering and Engineering Mechanics
- Columbia University. School of Engineering and Applied Sciences
- Columbia University. School of Engineering
- Columbia University

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**Collection Inventory**


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**Series I. "The cultural impact of engineering" Lectures, 1976-1978**
**Scope and Contents**

The lectures are culled from two semesters of the same course, the spring semesters of 1976 and 1978. In some instances, Salvadori re-used lectures from previous years, or merged lectures from several previous dates, so that dates marked on the initial pages of lectures do not necessarily correspond to the dates on which the lectures were given. The lectures are numbered in the order in which Professor Salvadori gave them; the 1976 lectures number from 2 to 12 and the 1978 lectures number from 1 to 12.

<b>Title/Description</b>	<b>Instances</b>	
Lecture 2, 1976 January 29, 1976	box 1	folder 1
Lecture 3, 1976 February 5, 1976	box 1	folder 2
Lecture 4, 1976 February 12, 1976	box 1	folder 3
Lecture 5, 1976 February 19, 1976	box 1	folder 4
Lecture 6, 1976 February 26, 1976	box 1	folder 5
Lecture 7, 1976 March 18, 1976	box 1	folder 6
Lecture 8, 1976 March 18, 1976 March 25, 1976, March 18, 1976	box 1	folder 7
Lecture 9, 1976 April 1, 1976	box 1	folder 8
Lecture 10, 1976 April 1, 1976 April 8, 1976, April 1, 1976	box 1	folder 9

Lecture 11, 1976 April 8, 1976 April 15, 1976, April 8, 1976	box 1	folder 10
Lecture 12, 1976 April 15, 1976 April 22, 1976, April 15, 1976	box 1	folder 11
Lecture 1, 1976 January 22, 1977 January 17, 1977 February 3, 1976, January 22, 1977, January 17, 1977	box 1	folder 12
Lecture 2, 1977 January 22, 1977	box 1	folder 13
Lecture 3, 1977 February 3, 1977 February 10, 1977, February 3, 1977	box 1	folder 14
Lecture 4, 1977 February 10, 1977 February 17, 1977, February 10, 1977	box 1	folder 15
Lecture 5, 1977 February 10, 1977 February 17, 1977, February 10, 1977	box 2	folder 1
Lecture 6, 1977 February 24, 1977	box 2	folder 2
Lecture 7, 1978	box 2	folder 3
Lecture 8, 1978	box 2	folder 4
Lecture 9, 1978	box 2	folder 5
Lecture 10, 1978	box 2	folder 6
Lecture 11, 1978	box 2	folder 7
Lecture 12, 1978	box 2	folder 8

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## Series II. 2018 additions, 1954-1986, 1954-1986

### Scope and Contents

In 2018, Matthys Levy donated additional materials related to Mario G. Salvadori's lecture. These materials include campus lectures (not part of class) such as Salvadori's University Lecture (1979) and the The Aesthetics of Technology series (1986). There are also notes from a course on optimization and a biographical sketch of Pier Luigi Nervi for the MacMillan Encyclopedia of Architects.

Title/Description	Instances	
A Meditation on Ruins, 1979	box 2	folder 9
<b>Scope and Contents</b>		
(University Lecture series.)		
The Brooklyn Bridge as a Work of Art, 1983	box 2	folder 10
Computer Aesthetics: A New Culture, 1984	box 2	folder 11
Art and Technology in the Evolution of Cultures, 1986	box 2	folder 12

**Scope and Contents**

(The Aesthetics of Technology, Lecture I)

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The Semiotics of Art and Technology, 1986	box 2	folder 13
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**Scope and Contents**

(The Aesthetics of Technology, Lecture II)

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The Message of Architectural Structure, 1986	box 2	folder 14
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**Scope and Contents**

(The Aesthetics of Technology, Lecture IV)

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Nuclear Winter, undated	box 2	folder 15
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Structure and Beauty, undated	box 2	folder 16
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Optimal Structures, 1954	box 2	folder 17
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**Scope and Contents**

(Notes for a course on Optimization)

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Draft of a biographical sketch of Pier Luigi Nervi, 1980	box 2	folder 18
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**Scope and Contents**

(For the MacMillan Encyclopedia of Architects)

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