

Main Page of IABSE e-Learning Project

The screenshot shows the main page of the IABSE e-Learning Project. At the top left is the IABSE logo and name. Below it is a navigation menu with links: Home, Demo & Guidelines, IABSE, IABSE Foundation, About, New, Contact us, and Sitemap. The main heading is "IABSE e-Learning Project (Preliminary - Experimental Phase)". Below this is a paragraph of text describing current activities, with a circled '1' pointing to the text. A central grid of images and buttons is shown, with a circled '2' pointing to the "Click on Slide" button. To the right of the grid is a search bar with a circled '3' pointing to it, and a sidebar menu with a circled '4' pointing to the "1- IABSE Lecture Series on the Internet" item. At the bottom of the page is an "Introduction" section with a circled '5' pointing to the text.

1 Current activities include: (1) Lectures, (2) Animations, (3) Videos, (4) Previous Items on YouTube, Handheld Sets, Mobiles, (7)Glossary/Translator (Multi-Language Technical Glossary for Structural Engineering), (8) Database on Structures Worldwide (from Articles in SEI Journal), (10) Links to useful web-resources. Other Activities are under consideration and preparation by IABSE e-Learning Board. This project is supported by IABSE Foundation. (Main updates: Dec 2006, Apr 2007, May 2008, 19 Aug 2008, 31 Mar 2009, April 2010, May 2011, September 2011).

2 Click on Slide

3 Search this Website: [input] [button]

4 1- IABSE Lecture Series on the Internet

5 The following shows the Current Contents and Potential Users for IABSE eLearning Project

The IABSE e-Learning Project is a Multi-Component System including 3 Parts, sub-divided into 12 sections.
-- Part A: Audi-Visual Activities, Part B: Databases, Part C: Other Activities

Part A: Audi-Visual Activities
1- Lectures (40 Lectures, total duration: 26 hours)
2- Animations (17 Animations ; total duration: 8 minutes)

- (1) Replay presentation (flash file 14 Slides)
- (2) Click on the slides (14 slides) the contents of IABSE eLearning website
- (3) Search function for the website
- (4) Menu of the contents of the IABSE elearning website
- (5) Description of each of items of the contents

Introduction



The following shows the Current Contents and Potential Users for IABSE eLearning Project

The IABSE e-Learning Project is a Multi-Component System including 3 Parts, sub-divided into 12 sections.

-- Part A: Audi-Visual Activities, Part B: Databases, Part C: Other Activities

Part A: Audi-Visual Activities

- 1- Lectures (40 Lectures, total duration: 26 hours)
- 2- Animations (17 Animations ; total duration: 8 minutes)
- 3- Videos (5 Videos, total duration: 2 hours)
- 4- Mobiles, YouTube, Handheld Sets (13 Lectures + 1 Animation. 5 minutes maximum)
- 5- Member Contribution with Videos (Under Construction)
- 6- Interactive Webinars (Under Construction)

Part B: Databases

- 7- Glossary/Translator (Multi-Language Technical Glossary for Structural Engineering), (7 Languages, 700 entries)
- 8- Database on Structures Worldwide (from Articles in SEI Journal), Journal (570 Articles)
- 9- Articles and Information about Eminent Structural Engineers. Interviews with & about Structural Engineers and Structural Engineering (Under Consideration)

Part C: Other Activities

- 10- Links to useful web-resources,
- 11- Other Activities: such as e-Books, Encyclopedia of Structural Eng., (Under Discussion)
- 12- New Proposals to be considered.

Objective

Objectives of IABSE e-Learning Project

IABSE
International Association for Bridge and Structural Engineering

Home IABSE IABSE Foundation Contact us About News Stamp & Guidelines

IABSE E-Learning Project (Preliminary - Experimental Phase)

Current activities include: (1) Lectures, (2) Announcements, (3) Videos, (4) Previous items on YouTube, Handout/ Slides, (5) Glossary/Translator (Multi-Language), (6) Glossary for Structural Engineering, (6) Database on Structures Worldwide (from Articles in SEI Journals), (7) Links to useful web-resources. Other Activities are under consideration and preparation by IABSE e-Learning Board. This project is supported by IABSE Foundation (Main updates: Dec 2006, Apr 2007, May 2008, 10 Aug 2008, 31 Mar 2009, April 2010, May 2011, September 2011).

Reply Presentation Click on Slide

IABSE E-Learning Project (Preliminary - Experimental Phase) - Proposed Components, Section/ Units
(IABSE Foundation Support 2006-2011)

Part C: Others Activities

Part A: Audio Visual Presentations

Part B: Database & Glossary / Translation

Introduction (Continued...)

Objectives of IABSE e-Learning Project

To develop a new Forum within IABSE, for the exchange of knowledge and experience in Structural Engineering, using the recent huge advances in IT (Internet). This new Forum could help IABSE to fulfill its main objective (dissemination of knowledge to the Structural Engineering Community). The IABSE website should be the Main website, and the 1st website to search for information, in the Structural Engineering (optimistic objective, for the long term planning, E-Learning Project could be considered as one of the steps towards that goal).

Search this Website:

Exact Word

- Home
- 1. IABSE Lecture Series on the Internet
- 2. Announcements
- 3. Videos
- 4. Handouts
- 5. Modules
- 7. Structural Multi-Language Dictionary-Translator
- 8. IABSE DATABASE of Articles on Structures Worldwide
- 9. Interviews
- 10. Links to Other Useful Resources
- 11. Other Activities
- 12. News Proposals

To develop a new Forum within IABSE, for the exchange of knowledge and experience in Structural Engineering, using the recent huge advances in IT (Internet). This new Forum could help IABSE to fulfill its main objectives (dissemination of knowledge to the Structural Engineering Community). The IABSE website should be the Main website, and the 1st website to search for information, in the Structural Engineering (optimistic objective, for the long term planning, E-Learning Project could be considered as one of the steps towards that goal).

(1) Lecture Series on the Internet

IABSE
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Home IABSE IABSE Foundation Contact us About News Sitemap & Guidelines

IABSE E-Learning Project (Preliminary - Experimental Phase)

Current activities include: (1) Lectures, (2) Animations, (3) Videos, (4) Previous items on YouTube, Handheld Gear, Mobile, (7) Glossary/Translator (Multi-Language Technical Glossary for Structural Engineering), (8) Database on Structures Worldwide (from articles in SE Journals), (10) Links to useful webresources. Other Activities are under consideration and preparation by IABSE e-Learning Board. This project is supported by IABSE Foundation (last update: Dec 2006, Apr 2007, May 2008, 18 Aug 2008, 31 Mar 2009, Apr 2010, May 2011, September 2011).

Search IABSE Website

Exact Word

- Home
- IABSE Lecture Series on the Internet
- Animations
- Videos
- Handhelds
- Mobiles
- Structural Multi-Language Dictionary/Translator
- IABSE DATABASE of Articles on Structures Worldwide
- Interviews
- Links to Other Useful Resources
- Other Activities
- New Proposals

1- Lectures

Currently available: 40 Lectures, Total duration: 26 hours
IABSE Lecture Series on the Internet: The Audio-Visual Presentations (Lectures) currently provided at the website include: keynote presentations from previous IABSE Symposia, and Lectures especially prepared for the "IABSE Lecture Series".

There are several possibilities: View online, Download, Print Handouts (copies of the slides), Print References (articles from IABSE publications, relevant to the topic of the presentation), download Bio of Author.

Sources of Current Lectures:
A. Lecture Recorded in a Conference Hall during an IABSE Symposium (author presenting in front of attendants, sound and video recording of the presentation), or Recorded in an IABSE Symposium, in a Conference Hall: for example L2, L3, L33, ...
B. Lecture Recorded in a University Lecture Hall, i.e., NOT during IABSE Symposium (author presenting in front of attendants, sound and video recording of the presentation),
C. Lecture recorded in the office (author recording sound to the computer, using microphone and PowerPoint), recorded directly to the computer, using power point and microphone: for example L1 (Schneider), L4 (Ito), L20 (Tveit), L21 (Schlaich and Bergerman).

Currently available: **40 Lectures, Total duration: 26 hours**

IABSE Lecture Series on the Internet: The Audio-Visual Presentations (Lectures) currently provided at the website include: Keynote presentations from previous IABSE Symposia, and Lectures especially prepared for the "IABSE Lecture Series".

There are several possibilities: View online, Download, Print Handouts (copies of the slides), Print References (articles from IABSE publications, relevant to the topic of the presentation), download Bio of Author.

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- C. Lecture recorded in the office (author recording sound to the computer, using microphone and PowerPoint), recorded directly to the computer, using power point and microphone: for example L1 (Schneider), L4 (Ito), L20 (Tveit), L21 (Schlaich and Bergerman).

Lecture Details

IABSE
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Home Demo & Guidelines IABSE IABSE Foundation About New Contact us Sitemap

IABSE e-Learning Project (Preliminary - Experimental Phase)

Lectures Series:-

The "IABSE Lecture Series on Internet" include: Lectures, Short courses, Videos and Animations about the construction of structures. For each presentation, there are four possibilities: View online, Download, Print Handouts (copies of the slides), Print References (articles from IABSE publications, relevant to the topic of the presentation).

The Lectures currently provided at the website include: Keynote presentations from previous IABSE Symposia, and Lectures especially prepared for the "IABSE Lecture Series". The Short courses, which include several Lectures, were especially prepared for IABSE. Your contributions are most welcome. There are currently 15 events. Five more should be available soon. This project is supported by IABSE Foundation. (Last update April 2010)

List of Lectures (40)
[Print the List](#)

No.	Title	Authors	Keyword1	Keyword2	Date
1	Structural and Construction Safety (Short Course: 5 parts)	Schneider, J.	Safety	Risk	
2	Challenges in Education - Conceptual and Structural Design	Schlaich, M.	Education	Conceptual Design	2006
3	Structural Design Codes: The Bridge Between Research and Practice	Galampos, T.	Codes & Standards	Performance based design	2006
4	Wind Induced Vibrations of Structures and Their Control	Ito, M.	Bridges	Wind & Vibrations of Structures	2009
5	Increasing the Load Capacity of Major Bridges	Buckland, P. G.	Bridge Suspension & Cable-Stayed Bridge	Increasing the Load Capacity	2007
6	Lions' Gate Bridge and Advances in Suspension Bridge Engineering	Buckland, P. G.	Bridge Suspension & Cable stayed bride	Upgrading	2007
7	Disaster Risk Reduction and the Structural Engineer	Grandy, D.	Disaster Protection	Risk Assessment	2010

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(1) Lecture Number

(2) Lecture Title

(3) Author's name

(4) First Keyword

(5) Second Keyword

(6) Date of the Lecture / conference

(7) Bottom for sorting

(8) Click here for more details about the lecture (Summary, View online, Handouts,...)

(9) Search function for all website

(10) Search function of this web page

The screenshot shows the IABSE website interface. At the top, there is a navigation menu with links for Home, IABSE, IABSE Foundation, Contact us, About, New, and Sitemap & Guidelines. Below the navigation is the 'IABSE E-Learning Project (Preliminary - Experimental Phase)' section. A 'List of Lectures (40) Download List' link is circled with a red '7'. The main content area displays a table of lectures with columns for No., Title, Authors, Keyword1, Keyword2, and Date. The first lecture is 'Structural and Construction Safety (Short Course: 5 parts)' by Schneider, J., with keywords 'Safety' and 'Risk', dated 2000. A detailed view of this lecture is shown below the table, featuring a thumbnail image circled with a red '6'. Below the thumbnail is a summary and keywords section. At the bottom of the detailed view, a row of links is circled with a red oval: 'View Online', 'Handouts', 'References', 'Download', 'iPod / Mobile / Youtube'. A red line connects this row to the corresponding labels at the bottom of the page.

No.	Title	Authors	Keyword1	Keyword2	Date
1	Structural and Construction Safety (Short Course: 5 parts)	Schneider, J.	Safety	Risk	2000
2	Challenges in Education - Conceptual and Structural Design	Schälich, H.	Education	Conceptual Design	2000
3	Structural Design Codes: The Bridge Between Research and Practice	Gambos, T.	Codes & Standards	Performance based design	2000

View Online Handouts References Download iPod / Mobile / Youtube

1

2

3

4

5

- (1) View the Lecture online
- (2) Handouts of the Lecture (PDF file, 4 slides per page)
- (3) Reference (s): Papers published in IABSE Conference / symposium, or any papers related to the same subject and published through IABSE
- (4) It is an downloadable version of the lecture
- (5) Some lectures can be viewed from the IPOD/YouTube/Mobile (*Only 5 minutes of the presentation are provided for Mobile devices*) (*only 13 Lectures are provided , and other lectures are under preparation*)
- (6) Photo from the Lecture, with Author Picture
- (7) Print List of all lectures

[1] View Online

The screenshot shows a web-based e-learning interface. At the top left, it says 'Part of the IABSE's E-Learning Program'. Below this is a profile for 'Jörg Schmidt, Prof. em. ET' with a photo and 'Bio' and 'Email' links. A red circle with the number '1' is over the profile. To the right, under 'ATTACHMENTS', there are links for 'Downloadable Version', 'Handouts', and 'References', with a red circle and the number '4' over them. On the left side, there are thumbnails for '1 Slide 1 of 11' and '2 Slide 2 of 11', with red circles and numbers '2' and '3' respectively. The main content area shows a video player with the title 'Structural and Construction Safety' in large yellow text. At the bottom, there is a video control bar with 'arbolite' logo, 'SLIDE 1 OF 10', 'PLAYING', and '00:00/00:00'.

- (1) Bio and e-mail of the author
- (2) Thumbnails of Lectures
- (3) Search in the lecture
- (4) The attachments with the Lecture (Downloadable version, Handouts, References)

[2] Handouts



About the lecturer:

Jörg SCHNEIDER ...

- was born in 1955 in Cologne, Germany.
- went to Switzerland in 1985, studied at the Swiss Federal Institute of Technology (ETH) Zurich, and received a B.Eng. degree in 1989.
- and worked as an assistant of ETH for four years.
- joined the contracting firm Stalder BRB in 1993. Involved in design and development of reinforced and precast concrete structures.
- Professor for Structural Engineering at ETH since 1997. Research interests in safety and reliability of structures, with special emphasis on human error. In recent years, also interested in risk and safety of transport systems. Member from ETH in 1998.
- Member of the Joint Committee on Structural Safety (JCSS) since 1979, its President from 2000 to 2004.
- Member of IABSE since 1988. Active in many committees of IABSE. Vice-President from 2003 to 2011. Honorary Member of IABSE since 2012.
- Founded, in 1999, together with a few friends, the consulting office Blöchlery & S. AG, in Zurich.

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IABSE Short-Course on

Structural and Construction Safety

0 Short Introduction

- 1 Falling structures – Structural Safety revisited
- 2 Deterministic versus stochastic thinking
- 3 An introduction to Structural Reliability
- 4 Safety – A matter of risk, cost, and consensus
- 5 Reducing the chance of Human Error

©_Jaco 4/10

Handouts of the Lecture

4 Slides per page

A Pdf file could be printed and saved

[3] Reference(s)

Safety – A Matter of Risk, Cost, and Consensus

Jörg Schneider
Professor emeritus
Swiss Fed. Inst. of
Technology (ETH)
Zurich, Switzerland



Born in 1934, Jörg Schneider received his civil engineering degree from the ETH, Zürich. He was an assistant at the ETH from 1959 to 1963 and then joined Stahlton/BBRV in Zürich. From 1967-99 he was Professor for Structural Engineering at the ETH. His research focuses on the safety and reliability of structures and technical systems such as road and rail tunnels.

Summary

The paper discusses the issues related to establishing acceptable limits for individual and collective risks associated with various activities and, from the available options, choosing those safety measures that are cost-efficient.

Keywords: Risk, Acceptability, Safety Measure, Cost, Cost-efficiency

Introduction

“Safety” describes the state of a system operating with an acceptable level of risk. Risk is managed by appropriate safety measures. One thing, however, is clear: “... if our priorities in managing risks are not cost-effective, we are, in effect, killing people whose premature deaths could be prevented ...” [1]. Thus, an adequate risk management policy must be based on a consensus within society on at least three criteria:

- the acceptable level of risk to individual persons
- the acceptable level of collective risk created by a specific undertaking
- the costs associated with specific life-saving safety measures.

Establishing levels of acceptable risk is a matter for society at large and, thus, can have a significant political dimension. However, in the absence of political direction, it is the public authorities, representing society, who attempt to fix the first two criteria absolutely, usually represented by acceptance lines in a frequency-damage diagram. The third criterion is applied for risks judged to be below the acceptance line, and quite generally for risks where no such line is defined. Also here, authorities mix in, e.g., by requiring industry to implement ever more costly safety measures.

Safety and Risk

In technical contexts, the term *risk* is generally understood as a function of the consequences of a possible event and of the occurrence frequency of such an event. The simplest function for relating the corresponding values is the product of these quantities. In *Fig. 1*, therefore, risk is shown as a rectangle, defined by the so-called expectations of these two quantities.



Fig. 1: Risk

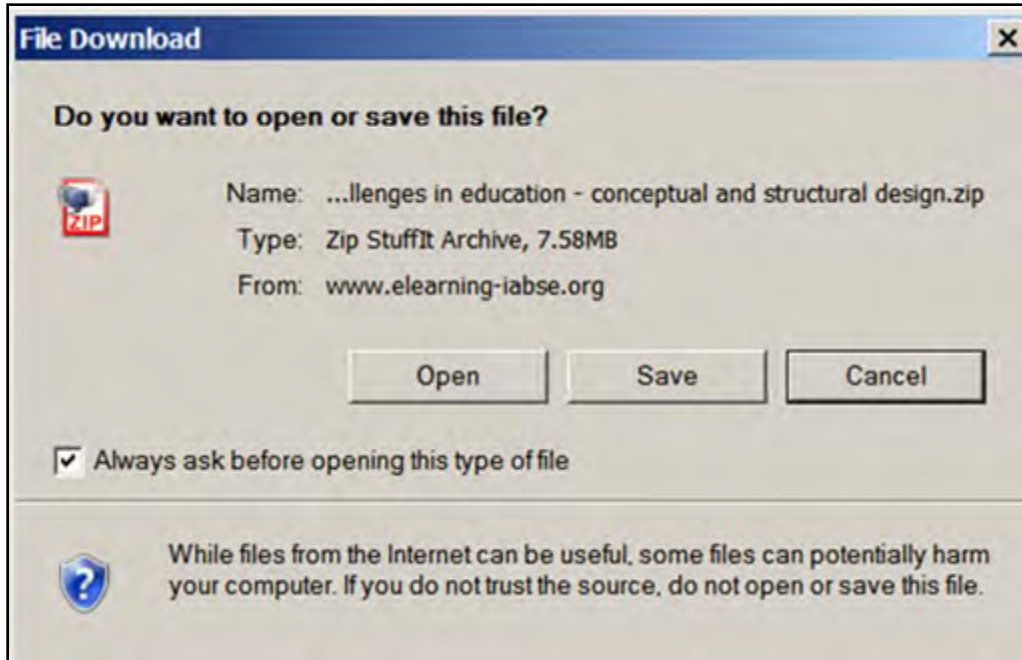
Admittedly, neither the consequences nor the frequency of an event can be known accurately in advance. Both are random variables, which, particularly for infrequent events, are poorly based on statistics. This uncertainty is represented in *Fig. 1* by the so-called distribution densities for frequencies and consequences. Naturally, if the input values are randomly defined, then the risk is randomly defined as well. When comparing risks, and making decisions, this fact must be recognized.

A distinction is made between risks to persons and risks to property. Risks to persons are often dominant – and not simply because of the cost of a damaging event, but also for ethical and legal reasons. Generally, risks to persons are measured by the

Reference related to the subject of the presentation and published in the conference procedure.

The Reference must be published through IABSE (Conference, SEI, ...etc)

[4] Download the lecture



Download version of the presentation

Save the zip file on the computer

After unzip the file, click on "player.html"

[5] View Lecture on iPod / YouTube / Mobile

The screenshot shows the IABSE website interface. At the top left is the IABSE logo and the text "International Association for Bridge and Structural Engineering". Below this is a navigation menu with links for Home, IABSE, IABSE Foundation, Contact us, About, News, and Sitemap & Quizzes. The main content area is titled "IABSE E-Learning Project (Preliminary - Experimental Phase)" and "Presentations on Handhelds Devices, Ipad, Mobile and Desktop". It lists "Lectures" and "Animations" in red text. A section titled "List of Lectures" features a specific entry: "Lecture [1]: Structural and Construction Safety (Short Course: 5 parts), Prof. em. ETHZ Joerg Schneider". Below this entry is a thumbnail image of a presentation slide titled "Consciously accepting risk:" which includes a risk matrix diagram. To the right of the thumbnail are three buttons: "iPod", "YouTube", and "iTAG (iPod/iPhone)".

Only 5 minutes of the presentation are provided, as a sample, on iPod / YouTube / Mobile

To view the lecture on YouTube, a user name & password must be provided by IABSE

[6] Photo from the presentation

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IABSE E-Learning Project (Preliminary - Experimental Phase)

Lectures Series:

The IABSE Lecture Series on Inseamr include Lectures, Short courses, Videos and Animations about the construction of structures. For each presentation, there are four possibilities: View online, Download, Print Handouts (copies of the slides), Print References (articles from IABSE publications, relevant to the topic of the presentation).

The Lectures currently provided at the website include Highlights presentations from previous IABSE Symposia, and Lectures especially prepared for the 'IABSE Lecture Series'. The Short courses, which include several Lectures, were especially prepared for IABSE. Your contributions are most welcome. There are currently 15 events five more should be available soon. This project is supported by IABSE Foundation. (Last update April 2010).

List of Lectures (40)
[Printable List](#)

No.	Title	Authors	Keyword1	Keyword2	Date
1	Structural and Construction Safety (Short Course) 5 parts	Schneider, J.	Safety	Risk	2005

[Click here for more details \(Summary, View online, Handouts...\)](#)

Summary: This presentation is a Short Course on Structural & Construction Safety, including 5 parts: 0 Short introduction; 1 Falling structures – Structural Safety revealed; 2 Deterministic versus stochastic thinking; 3 An introduction to Structural Reliability; 4 Safety – A matter of risk, cost, and consensus; 5 Reducing the chance of Human Error

Keywords: structure, failure, hazard, scenario, safety, risk, error, probability, reliability, model, cost, consensus

Duration: 242.50 minutes

Event: Specially organized for IABSE A1 session

Slide from the presentation which content:

Author Photo

Lecture Number

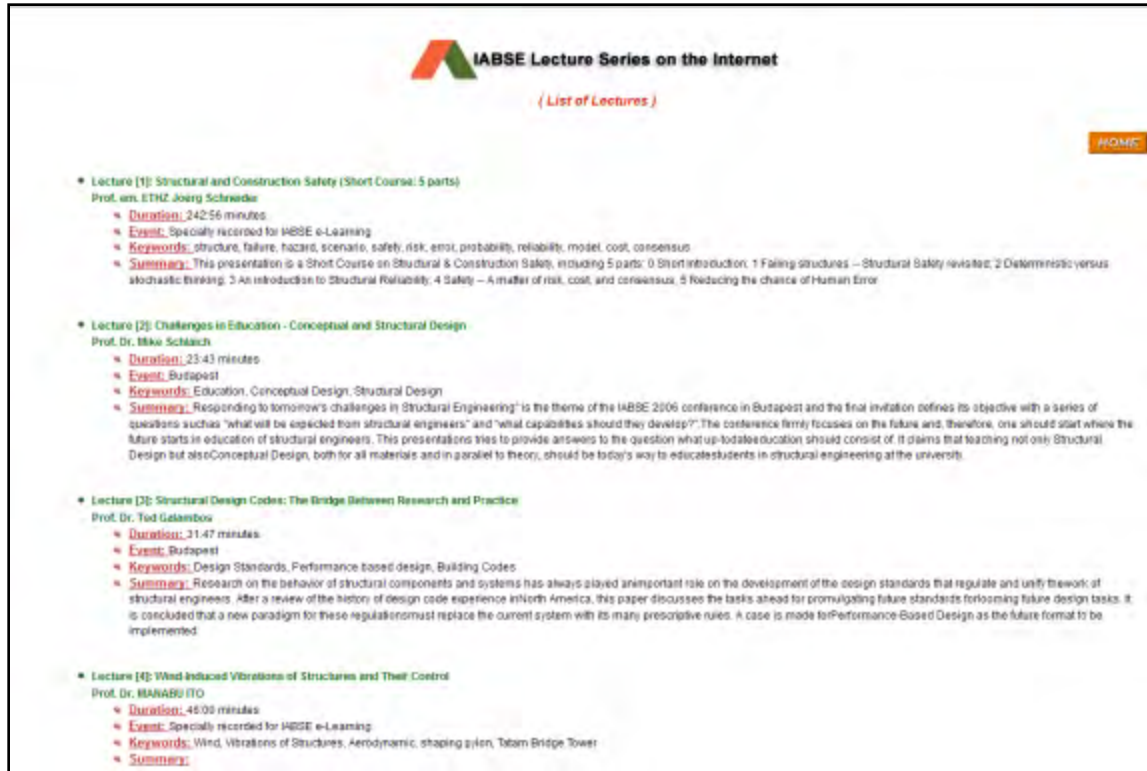
Lecture Title

Author Name

Duration of the Lecture



[7] Print List of All Lectures



The screenshot displays the 'IABSE Lecture Series on the Internet' website. At the top, there is a logo with a stylized 'A' and 'B' in red and green, followed by the text 'IABSE Lecture Series on the Internet' and '(List of Lectures)'. A 'HOME' button is visible in the top right corner. The main content area lists four lectures, each with a title, author, duration, event location, keywords, and a summary.

- Lecture [1]: Structural and Construction Safety (Short Course: 5 parts)**
Prof. em. ETHZ Joerg Schneider
 - Duration: 242:56 minutes
 - Event: Specially recorded for IABSE e-Learning
 - Keywords: structure, failure, hazard, scenario, safety, risk, error, probability, reliability, model, cost, consensus
 - Summary: This presentation is a Short Course on Structural & Construction Safety, including 5 parts: 0 Short introduction, 1 Failing structures – Structural Safety revisited, 2 Deterministic versus stochastic thinking, 3 An introduction to Structural Reliability, 4 Safety – A matter of risk, cost, and consensus, 5 Reducing the chance of Human Error
- Lecture [2]: Challenges in Education - Conceptual and Structural Design**
Prof. Dr. Mike Schlaich
 - Duration: 23:43 minutes
 - Event: Budapest
 - Keywords: Education, Conceptual Design, Structural Design
 - Summary: Responding to tomorrow's challenges in Structural Engineering" is the theme of the IABSE 2006 conference in Budapest and the final invitation defines its objective with a series of questions such as "what will be expected from structural engineers" and "what capabilities should they develop?". The conference firmly focuses on the future and, therefore, one should start where the future starts in education of structural engineers. This presentation tries to provide answers to the question what up-to-date education should consist of. It claims that teaching not only Structural Design but also Conceptual Design, both for all materials and in parallel to theory, should be today's way to educate students in structural engineering at the university.
- Lecture [3]: Structural Design Codes: The Bridge Between Research and Practice**
Prof. Dr. Ted Galambos
 - Duration: 21:47 minutes
 - Event: Budapest
 - Keywords: Design Standards, Performance based design, Building Codes
 - Summary: Research on the behavior of structural components and systems has always played an important role on the development of the design standards that regulate and unify the work of structural engineers. After a review of the history of design code experience in North America, this paper discusses the tasks ahead for promulgating future standards for ongoing future design tasks. It is concluded that a new paradigm for these regulations must replace the current system with its many prescriptive rules. A case is made for Performance-Based Design as the future format to be implemented.
- Lecture [4]: Wind-Induced Vibrations of Structures and Their Control**
Prof. Dr. MARABO ITO
 - Duration: 48:00 minutes
 - Event: Specially recorded for IABSE e-Learning
 - Keywords: Wind, Vibrations of Structures, Aerodynamic, shaping pylon, Tsam Bridge Tower
 - Summary:

The Print list of the Lectures include:

- Lecture Number
- Lecture Title
- Author Name
- Duration of the Lecture
- Event
- Keywords
- Summary

(2) Animations



The screenshot shows the IABSE E-Learning Project website. The header features the IABSE logo and navigation links: Home, IABSE, IABSE Foundation, Contact us, About, News, Sitemap & Guidelines. The main content area is titled "IABSE E-Learning Project (Primary - Experimental Phase)" and lists current activities including Lectures, Animations, Videos, Previous items on YouTube, Handheld Sets, Modules, Glossary/Translator, Database on Structures Worldwide, and Links to useful web-resources. A central 3D animation shows a bridge structure with a "Replay Presentation" button above it. To the right of the animation is a grid of thumbnail images. Below the animation, the text reads "2- Animations" and "Currently available: 10 Animations, Total duration: 8 minutes". A quote follows: "Animation could be useful educational tool in Structural Engineering & other fields. Why Animations: 'A picture is worth a thousand words, but an animation is worth a million words.' 'Visual effects can convince intuitive minds of the major issues related to shaking of the Earth or the built environment.'" The source is cited as "Source: Website of RMC, quoting: John A. Martin & Associates, USA."

Currently available: 10 Animations, Total duration: 8 minutes

Animation could be useful educational tools in Structural Engineering & other fields. Why Animations: “A picture is worth a thousand words, but an animation is worth a million words.”

“Visual effects can convince intuitive minds of the major issues related to shaking of the Earth or the built environment.”

Source: Website of WHE, quoting: John A. Martin & Associates, USA.

Animations Details

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Home IABSE IABSE Foundation Contact us About News Sitemap & Guidelines

IABSE E-Learning Project (Preliminary - Experimental Phase)

Animations:

Animation could be useful educational tools in Structures Engineering and other fields. The IABSE E-learning website provides animation at two locations:
(1) "Animation" on the left Menu,
(2) under the title "Link to Other Useful Resources"

Your contributions with any animation to be posted in the website are appreciated.

List of Animations (17)
[Previous List](#)

(1) No.	(2) Title	(3) Authors	(4) Keyword1	(5) Keyword2	(6) Date	(7)
1	Suiting Bridge Cable Stayed Segment Click here for more details (Summary, View online, Handouts...)	Li, F.				(8)
2	From IABSE E-Learning_Lecture 12: Adding confidence and reducing risk - the role of independent design checking in major projects: Stackton deck wind tunnel testing Click here for more details (Summary, View online, Handouts...)	Firth, I.				
3	From IABSE E-Learning_Lecture 17: Woodrow Wilson Bridge Beasdale Span Click here for more details (Summary, View online, Handouts...)	East, S.				
4	From IABSE E-Learning_Lecture 22: Structures for Stadium Projects (Retractable roof operation) Click here for more details (Summary, View online, Handouts...)	Goppert, K.				
5	From IABSE E-Learning_Lecture 22: Structures for Stadium Projects Click here for more details (Summary, View online, Handouts...)	Goppert, K.				

(1) Animation Number

(2) Animation Title

(3) Author provided the Animation

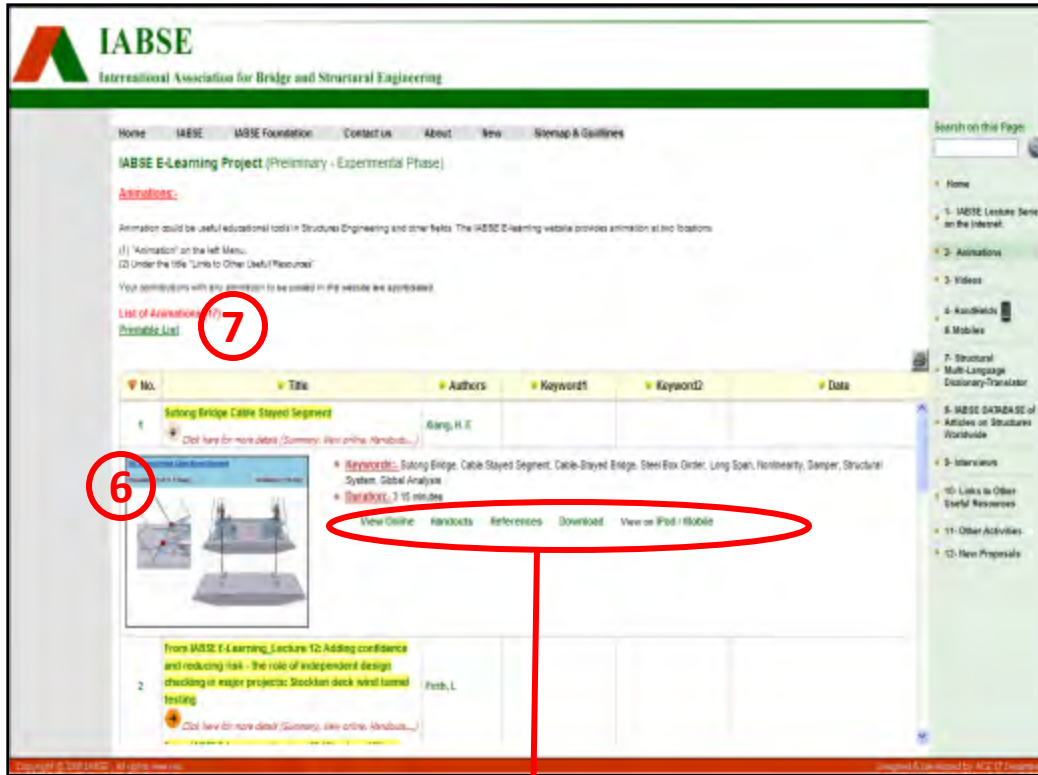
(4) First Keyword

(5) Second Keyword

(6) Date of the animation

(7) Bottom for sorting

(8) Click here for more details about the animation (Summary, View online, Handouts,...)



- [View Online](#)
 - [Handouts](#)
 - [References](#)
 - [Download](#)
 - [iPod / Mobile / Youtube](#)
- ↓

- ①
- ②
- ③
- ④
- ⑤

- (1) View the animation online
- (2) Handouts of the animation (capture photo from the animation)
- (3) Reference (s): Papers of the IABSE eLearning lecture which the animation come from.
- (4) It is an downloadable version of the animation
- (5) Some animation can be viewed from the IPOD/YouTube/Mobile *(Only 5 minutes of the presentation are provided for Mobile devices) (only 1 animation is provided, and other animations are under preparation)*
- (6) Photo from the Animation
- (7) Print List of all Animations

[1] View on Line the Animation

Sutong Bridge Cable Stayed Segment



1

[Handouts](#) 2

[Aerodynamic Problems of a Super-long Span Cable-stayed Bridge IABSE Lisbon 2005](#) 3

[A Full-scale Experiment on Vibration Mitigation of Stay Cable IABSE shanghai 2004](#)

[Global Analysis of the SuTong Cable-Stayed Bridge New-Delhi 2005](#)

- (1) Play the animation online
- (2) Handouts of the animation (capture photo from the animation)
- (3) Reference (s): Papers of the IABSE eLearning lecture which the animation come from or relevant papers about animation subject.

[2] Handouts

http://www.dormanlongtechnology.com/English/projects/Sutong_gantries.htm

Dorman Long Technology Sutong Cable Stayed Bridge. Deck erection gantries

The Sutong Cable stayed bridge currently under construction in China will be the longest spanning cable stayed bridge in the world when completed in late 2007. The bridge has a main span of 1088m and crosses the Yangtze river approximately 100km inland from Shanghai. The steel orthotropic deck for the bridge has been fabricated offsite and is being delivered by barge to the bridge site in 18m long segments weighing up to 450 tonnes each. The delivery barges are moored in the river below the bridge and the deck segments are being lifted to final height and aligned with the previously erected deck segment by eight purpose made deck erection gantries. DLT were sub-contractors for the design, supply and site supervision of these deck erection gantries, to main contractor 2nd Navigation Engineering Bureau. The first deck segment was erected on 9th November 2006, an operation which included a 125% overload test and a 110% dynamic test. The last segment was erected on 9th June 2007.



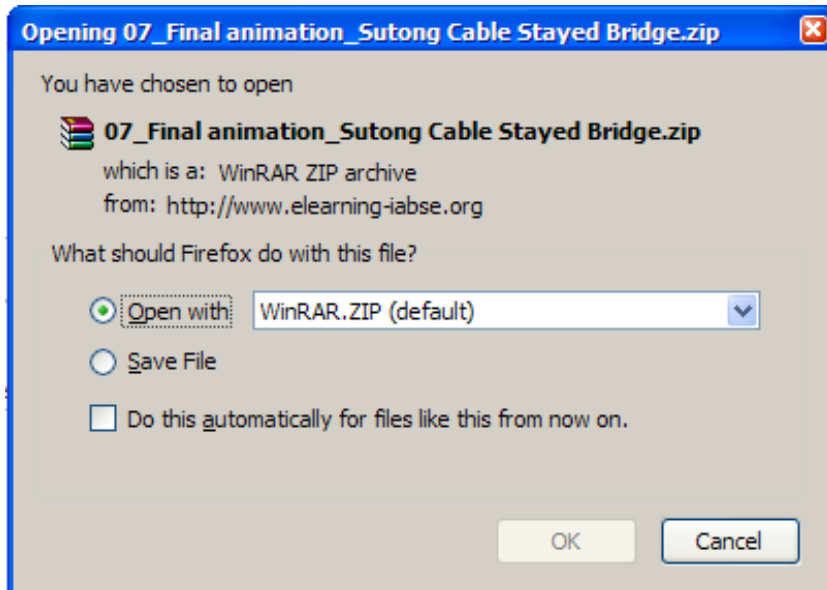
The contract for design and supply of these deck erection gantries was let by international tender, under the control of an independent government tendering agency and subject to the recommendations of a panel of Chinese experts. The hydraulic and electrical components for the gantries were manufactured in Europe and shipped to China, where they were assembled onto fabricated steel frames made in China.



Handouts of the Animation

A Pdf file could be printed
and saved

[4] Download the animation



Download version of the presentation

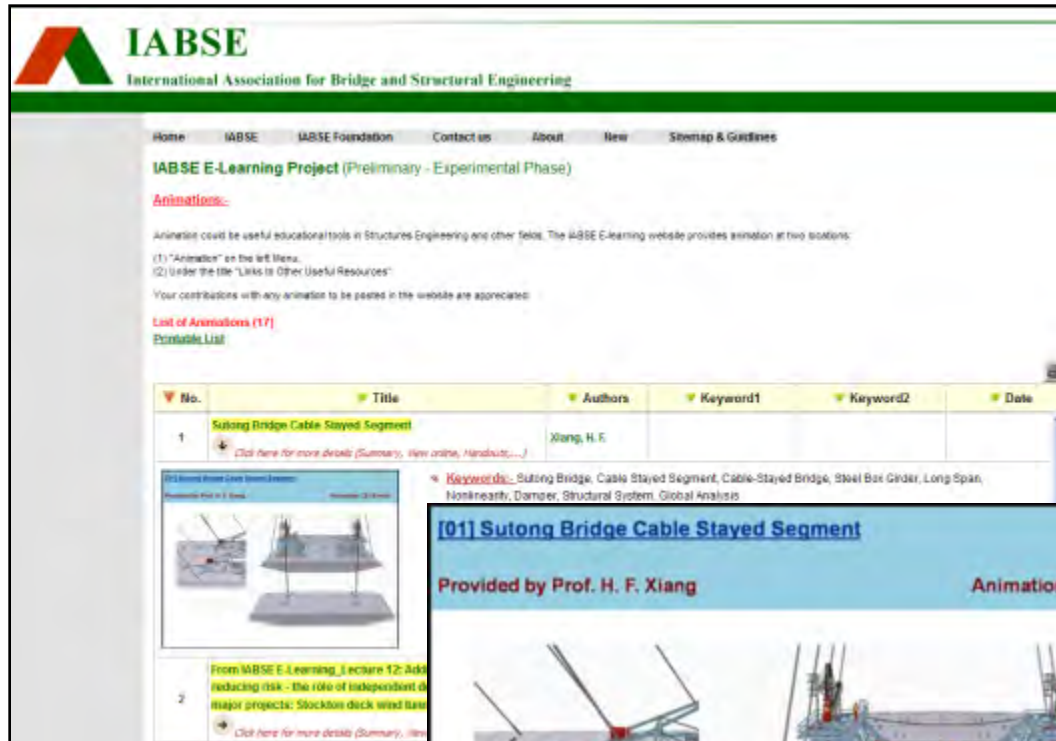
Save the zip file on the computer

After unzip the file, click on
flash/video file

[5] View Animation on IPod / YouTube / Mobile

Some animation can be viewed from the IPOD/YouTube/Mobile *(Only 5 minutes of the presentation are provided for Mobile devices) (only 1 animation is provided , and other animations are under preparation)*

[6] Photo from the Animation



The screenshot shows the IABSE website interface. At the top is the IABSE logo and the text "International Association for Bridge and Structural Engineering". Below the logo is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, New, and Steering & Guidelines. The main content area is titled "IABSE E-Learning Project (Preliminary - Experimental Phase)". Underneath, there is a section for "Animations" with a brief description and instructions on how to find them. A list of animations is displayed in a table format.

No.	Title	Authors	Keyword1	Keyword2	Date
1	Sutong Bridge Cable Stayed Segment	Xiang, H. F.			

Below the table, there is a thumbnail for the first animation, "Sutong Bridge Cable Stayed Segment", which shows a 3D model of a bridge segment. To the right of the table, there are additional details for the first animation, including keywords: "Sutong Bridge, Cable Stayed Segment, Cable-Stayed Bridge, Steel Box Girder, Long Span, Nonlinearity, Damper, Structural System, Global Analysis".

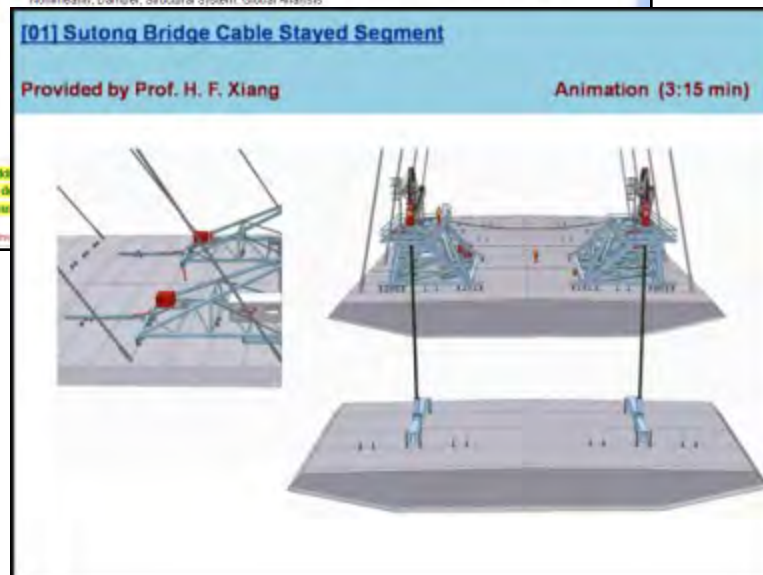
Slide from the animation which content:

Animation Number

Animation Title

Provided Name

Duration of the animation

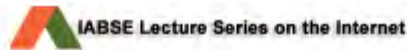


The thumbnail for the animation "Sutong Bridge Cable Stayed Segment" is displayed. It features a blue header with the title "[01] Sutong Bridge Cable Stayed Segment" and the text "Provided by Prof. H. F. Xiang" and "Animation (3:15 min)". The main image shows a 3D model of a bridge segment, illustrating the cable-stayed structure and the steel box girder. The model is shown from a perspective view, highlighting the two towers and the cables supporting the deck. The bridge is set against a white background.

[7] Print List of All Animations

The Print list of the Animation include:

- Animation Number
- Animation Title
- Provided Name
- Duration of the Animation
- Event
- Keywords
- Summary



(List of Animations)

HOME

• Animation [1]: Sutong Bridge Cable Stayed Segment

Mr. H. E. Xiang

- Duration: 3:15 minutes
- Event:
- Keywords: Sutong Bridge, Cable Stayed Segment, Cable-Stayed Bridge, Steel Box Girder, Long Span, Nonlinearity, Damper, Structural System, Global Analysis
- Summary:

• Animation [2]: From IABSE E-Learning_Lecture 12: Adding confidence and reducing risk - the role of independent design checking in major projects: Stockton deck wind tunnel testing

Mr. Ian Firth

- Duration: 36:00 Seconds
- Event:
- Keywords: Stockton Deck Wind Tunnel Testing, Wind tunnel testing
- Summary:

• Animation [3]: From IABSE E-Learning_Lecture 17: Woodrow Wilson Bridge Bascule Span

Mr. Sean Bland

- Duration: 22:00 Seconds
- Event:
- Keywords: Bridge Bascule Span, Bascule Span Leaf Operation, Woodrow Wilson Bridge
- Summary:

• Animation [4]: From IABSE E-Learning_Lecture 22: Structures for Stadium Projects Retractable roof operation

Dipl.-Ing. Klaus Goppert

- Duration: 08:00 Seconds
- Event:
- Keywords: Structures for Stadium, Retractable roof operation
- Summary:

• Animation [5]: From IABSE E-Learning_Lecture 22: Structures for Stadium Projects

Dipl.-Ing. Klaus Goppert

- Duration: 08:00 Seconds
- Event:
- Keywords: Structures for Stadium, Retractable roof operation
- Summary:

(3) Videos



The screenshot shows the IABSE website's main page. At the top left is the IABSE logo (a stylized 'A' in red and green) and the text 'IABSE International Association for Bridge and Structural Engineering'. Below the logo is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, New, and Sitemap & Guidelines. The main content area features the heading 'IABSE E-Learning Project (Preliminary - Experimental Phase)' followed by a paragraph of text describing current activities. Below this is a large video player area with a 'Replay Presentation' button and a 'Click on Slide' button. The video player shows a construction site with several bridge piers under construction in a body of water. To the right of the video player is a grid of 12 small thumbnail images representing different content categories. Below the video player, there is a section titled '3- Videos' with the text 'Currently available: 5 Videos, Total duration: 2 hours' and a paragraph stating 'Videos could be useful educational tools in Structural Engineering and other fields. Your contributions with any Video to be posted in the website are appreciated.' On the right side of the page, there is a search bar and a vertical navigation menu with 12 items: Home, 1- IABSE Lecture Series on the Internet, 2- Animations, 3- Videos, 4- Handhelds & Mobiles, 7- Structural Multi-Language Dictionary-Translator, 8- IABSE DATABASE of Articles on Structures Worldwide, 9- Interviews, 10- Links to Other Useful Resources, 11- Other Activities, and 12- New Proposals.

Currently available: 5 Videos,
Total duration: 2 hours

Videos could be useful educational tools in Structural Engineering and other fields. Your contributions with any Video to be posted in the website are appreciated.

Videos Details

The screenshot shows the IABSE E-Learning Project website. At the top, there is a navigation menu with links for Home, IABSE, IABSE Foundation, Contact us, About, News, and Sitemap & Guidelines. Below the navigation, the page title is "IABSE E-Learning Project (Preliminary - Experimental Phase)". A section titled "Videos:" contains introductory text and instructions for users. Below this is a "List of Videos (4)" table. The table has columns for No., Title, Authors, Keyword1, Keyword2, and Date. There are 8 red circles with numbers 1 through 8 overlaid on the page: 1 is on the "No." column header, 2 is on the "Title" column header, 3 is on the "Authors" column header, 4 is on the "Keyword1" column header, 5 is on the "Keyword2" column header, 6 is on the "Date" column header, 7 is on a sorting icon in the bottom right of the table, and 8 is on a right-pointing arrow icon in the first row of the table.

No.	Title	Authors	Keyword1	Keyword2	Date
1	Vaux Vadouit (low resolution for dial up connections)	G. D.			
2	Bridge Over Dale River: part 1/2 (low Resolution for dial up connections)	Hert, M.			
3	Bridge Over Dale River: part 2/2 (low resolution for dial up connections)	Hert, M.			
4	The Ron Aronson Bridge - Harbace Trihexopta Bridge	GEFYRA			
5	Le Viaduc de Millau	Eiffage CEVI			
6	Vertical Lift bridge over the River Seine in Rouen	Eiffage CEVI			

(1) Videos Number

(2) Videos Title


(3) Author provided the Videos

(4) First Keyword

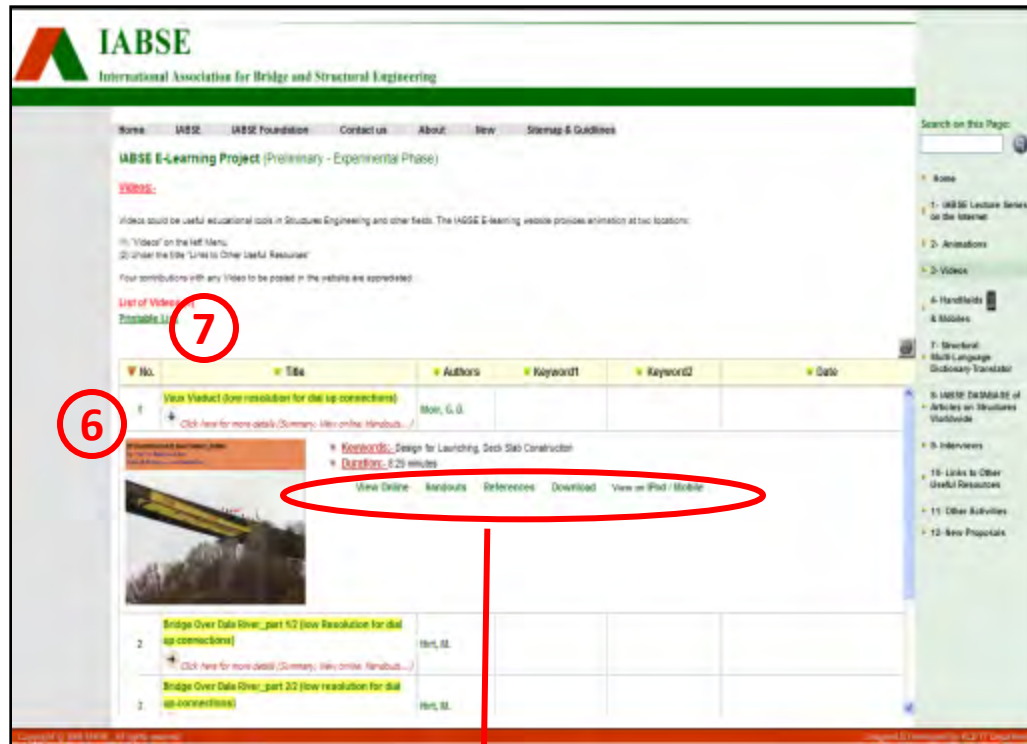
(5) Second Keyword

(6) Date of the Videos

(7)  Bottom for sorting

(8)  Click here for more details about the animation (Summary, View online, Handouts,...)

- (1) View the video online
- (2) Handouts of the video (capture photo from the video)
- (3) Reference (s): Papers of the IABSE eLearning lecture which the video come from.
- (4) It is an downloadable version of the video (Not available at the moment, under construction)
- (5) Some videos can be viewed from the IPOD/YouTube/Mobile (*Only 5 minutes of the presentation are provided for Mobile devices*) (Not available at the moment, under construction)
- (6) Photo from the Video
- (7) Print List of all Videos



- View Online** **Handouts** **References** **Download** **iPod / Mobile / Youtube**
- ①
 - ②
 - ③
 - ④
 - ⑤

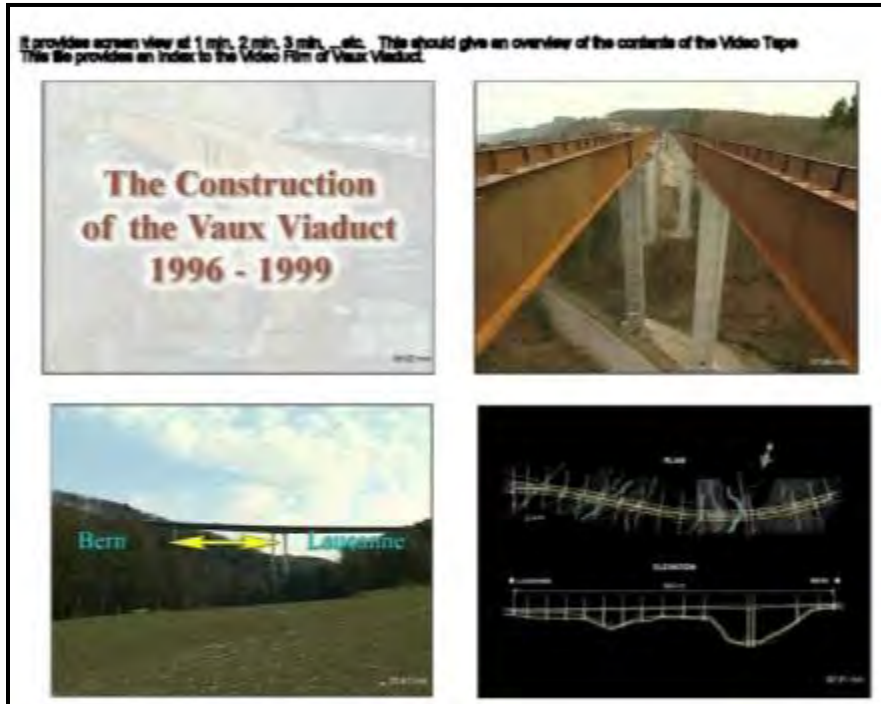
[1] View on Line the video



The screenshot shows a video player window. The video title is "The Construction of the Vaux Viaduct 1996 - 1999". The video player controls include a play/pause button, a stop button, a previous button, a next button, a progress bar showing 00:33 / 08:29, a volume slider, and a mute button. A red circle with the number 1 is overlaid on the top left corner of the video player. Below the video player, there are two links: "References" with a red circle containing the number 3, and "Handouts" with a red circle containing the number 2.

- (1) Play the video online
- (2) Handouts of the animation (capture photo from the Video)
- (3) Reference (s): Papers of the IABSE eLearning lecture which the animation come from or relevant papers about animation subject.

[2] Handouts



Handouts of the Video

A Pdf file could be printed
and saved

[3] References

Launching of the Vaux Viaduct

Miguel Gómez Navarro, Research Assistant
Jean-Paul Labet, Lecturer
Swiss Federal Institute of Technology, Lausanne, Switzerland
Roland Reybouné, Civil Eng.
Recherch + Bâtie S. Associés, Lausanne, Switzerland



Fig. 1. Launching of the north bridge. February 1998. Photo courtesy of IABSE.

Introduction

Environmental concerns played an important role in the planning of the last stretch of the A1 highway between Lausanne and Bern, which is currently being completed in Switzerland. Bridges and tunnels represent more than 72% of the length of this stretch of highway. One of the bridges is the Vaux Viaduct, located near Lake Neuchâtel. This steel-concrete composite bridge, with launched main spans of 130 m (Fig. 1), is another step of progress in composite bridge design and construction in Switzerland over the last three decades [1, 2].

Description

The Vaux Viaduct has a total length of 945 m and is composed of two parallel bridges, one for each carriageway. The north bridge has 13 spans and the south bridge 14, and the deck width in both cases is 15.40 m. Each bridge passes over the Vaux valley with two 130-m main spans and approach spans of between 40 m and 62 m (Fig. 2). The central piers are nearly 100 m high. The horizontal alignment consists of two 1000-m-radius circular arcs linked by a clothoid. The vertical alignment of the main spans is a constant gradient of 2.1%, which reduces to 1.3% over the approach spans.

The steel-concrete composite girders are continuous over reinforced concrete piers with expansion joints only at the abutments. Weathering steel with a yield strength of 355 N/mm² was used for the closed box girders and twin plate girders (Fig. 3) in the main and approach spans, respectively. The depth of the steel box girder varies linearly from about 6 m over the highest piers to 3.90 m at the ends of the main spans. A closed box girder was adopted because of the high torsional moments during launching and concrete placement. The stability of the webs and flanges is improved by means of closed stiffeners and transverse diaphragms (Fig. 4). The

and 1.000-m centers, respectively. For the box girder, 380 kg steel were used per square meter of bridge deck. The twin-beam steel system of the approach spans has a span/depth ratio of 27 and approximately 120 kg structural steel per square meter of bridge deck.

The concrete deck slab has an average and a maximum thickness of 0.29 m and 0.40 m, respectively, and is prestressed longitudinally and transversally in order to reduce cracking. Permanent compression of about 2.0 N/mm² was introduced by post-tensioning before the slab was connected to the steel girders through grouted shear studs.

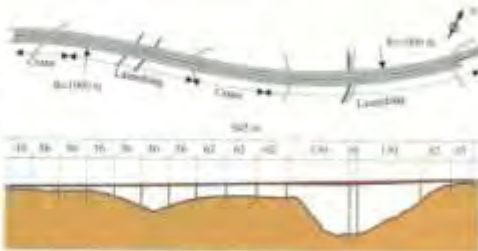


Fig. 2. Plan and elevation views of the twin bridges.

Reference (s): Papers of the IABSE eLearning lecture which the video come from or relevant papers about video subject.

[4] Download the Video

This feature is under preparation.

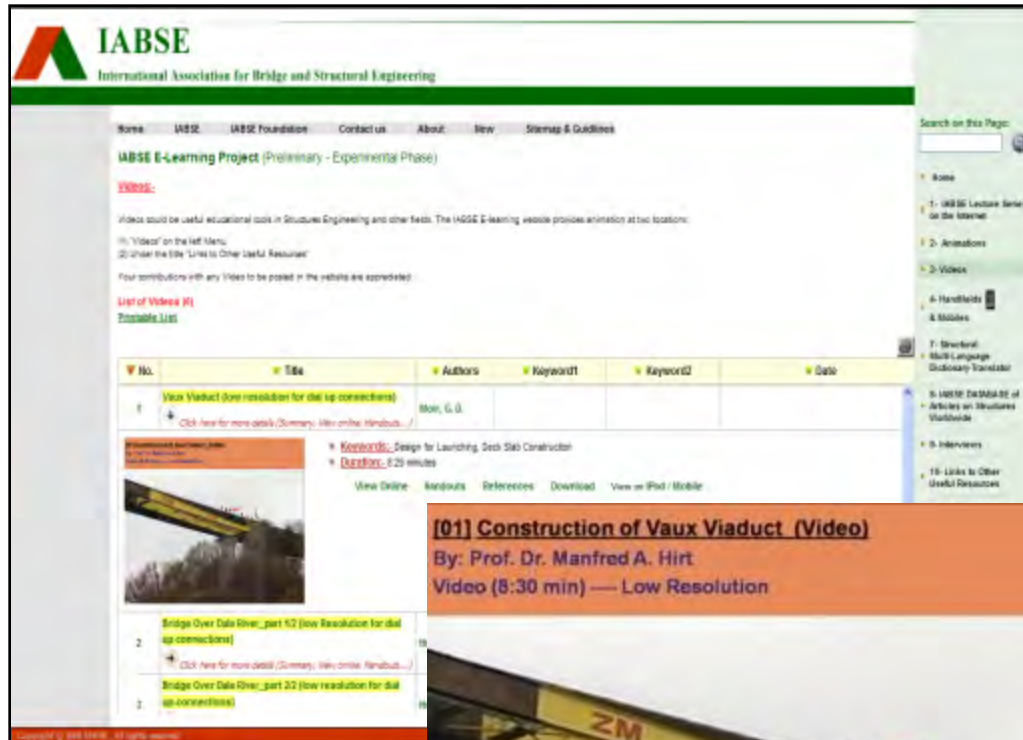
Coming soon

[5] View Video on iPod / YouTube / Mobile

This feature is under preparation.

Coming soon

[6] Photo Capture from the Video



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IABSE E-Learning Project (Preliminary - Experimental Phase)

Video:

Videos could be useful educational tools in Structural Engineering and other fields. The IABSE E-learning website provides animation at two locations:

- (1) "Videos" on the left Menu;
- (2) under the title "Links to Other Useful Resources".

Four contributions with any Video to be posted in the website are appreciated.

List of Videos (1)
[Printable List](#)

No.	Title	Authors	Keyword1	Keyword2	Date
1	Vaux Viaduct (low resolution for dial up connections)	Blöchl, G. G.			

[01] Construction of Vaux Viaduct (Video)
By: Prof. Dr. Manfred A. Hirt
Video (8:30 min) — Low Resolution

Slide from the Video which content:

Animation Number

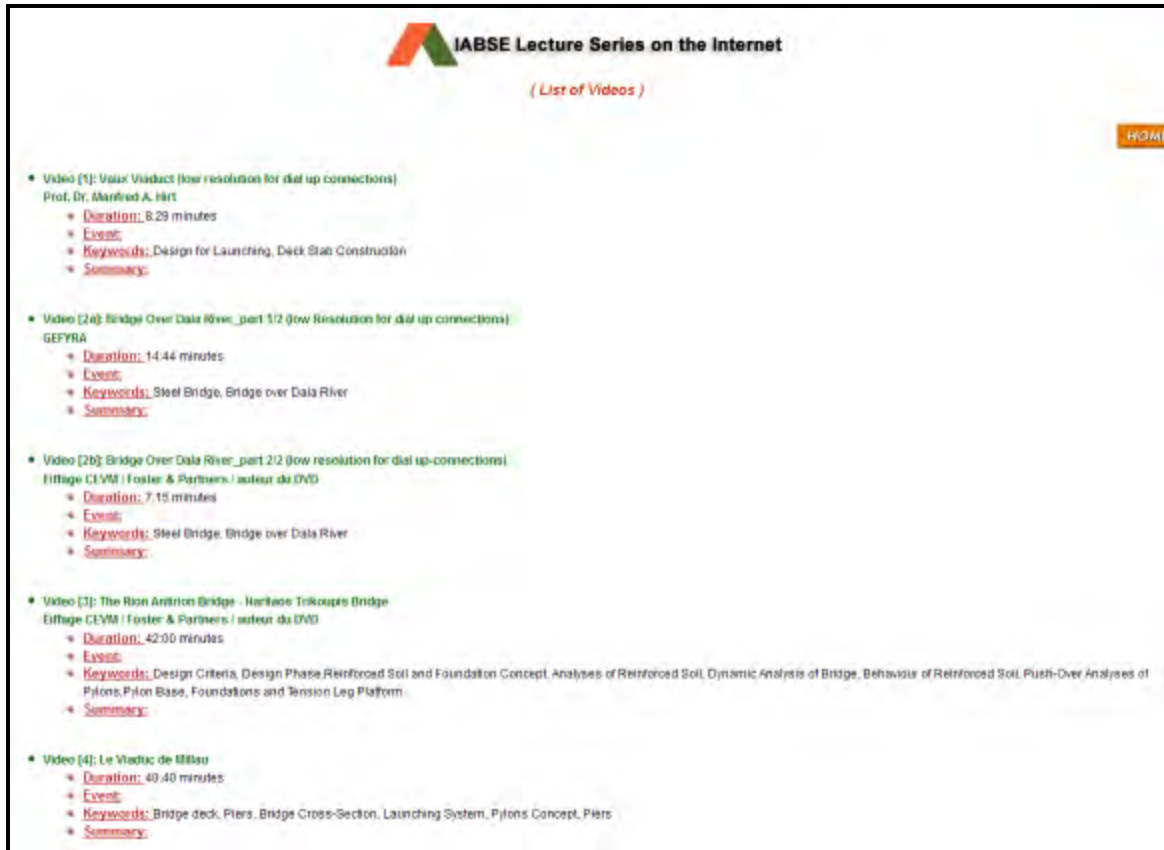
Animation Title

Provided Name

Duration of the video



[7] Print List of All Videos



The screenshot displays the 'IABSE Lecture Series on the Internet' website. At the top, there is a logo with a stylized 'A' in red and green, followed by the text 'IABSE Lecture Series on the Internet' and '(List of Videos)'. A 'HOME' button is visible in the top right corner. The main content area lists five videos, each with a title, author, duration, event, keywords, and a summary link.

- Video [1]: Votix Vistact (low resolution for dial up connections)
Prof. Dr. Manfred A. Hirt
 - Duration: 8.29 minutes
 - Event:
 - Keywords: Design for Launching, Deck Stab Construction
 - Summary:
- Video [2a]: Bridge Over Dala River_part 1/2 (low resolution for dial up connections)
GEFYRA
 - Duration: 14.44 minutes
 - Event:
 - Keywords: Steel Bridge, Bridge over Dala River
 - Summary:
- Video [2b]: Bridge Over Dala River_part 2/2 (low resolution for dial up-connections)
Hittage CLVM / Foster & Partners / auteur du DVD
 - Duration: 7.15 minutes
 - Event:
 - Keywords: Steel Bridge, Bridge over Dala River
 - Summary:
- Video [3]: The Rion Antirion Bridge - Heritage: Trikoupi Bridge
Hittage CLVM / Foster & Partners / auteur du DVD
 - Duration: 42:00 minutes
 - Event:
 - Keywords: Design Criteria, Design Phase, Reinforced Soil and Foundation Concept, Analyses of Reinforced Soil, Dynamic Analysis of Bridge, Behaviour of Reinforced Soil, Push-Over Analyses of Pylons, Pylon Base, Foundations and Tension Leg Platform
 - Summary:
- Video [4]: Le Viaduc de Millau
 - Duration: 40.40 minutes
 - Event:
 - Keywords: Bridge deck, Piers, Bridge Cross-Section, Launching System, Pylons Concept, Piers
 - Summary:

The Print list of the Video include:

- Video Number
- Video Title
- Provided Name
- Duration of the Video
- Event
- Keywords
- Summary

(4) Mobile, YouTube, Handheld Sets

Currently available: 13 Lectures; 1 Animation.

(other Lectures, Animations, and Videos are under construction)

Previous items (Lectures, Animations,..) on Mobile Phones/Handheld Sets (PDS), YouTube.

Only 5 minutes from Lectures are as an example. Several Universities are providing parts of their courses on Mobile Devices.

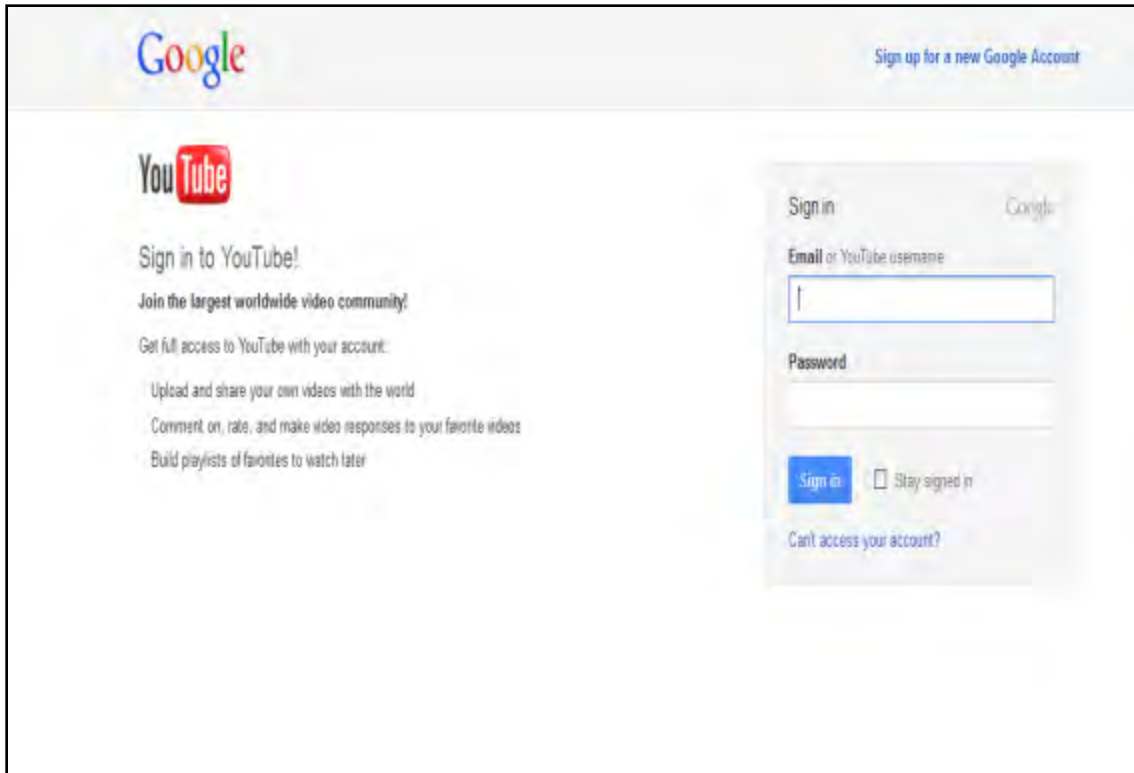
The screenshot shows the IABSE website interface. At the top left is the IABSE logo and name. Below it is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, New, and Stopgap & Guidelines. The main heading is 'IABSE E-Learning Project (Preliminary - Experimental Phase)'. Below this, there is a paragraph of text describing current activities. A large central image shows two mobile devices: a tablet displaying a website and a smartphone displaying a video of a bridge. To the right of the mobile devices is a grid of small thumbnail images representing various content. Below the main image area, there is a section titled '4- Mobile, YouTube, Handheld Sets' with a sub-heading 'Mobile Phones'. The text in this section states: 'Currently available: 13 Lectures; 1 Animation. Previous items (Lectures, Animations,..) on Mobile Phones/Handheld Sets (PDS), YouTube. Only 5 minutes from Lectures are as an example. Several Universities are providing parts of their courses on Mobile Devices.' On the right side of the page, there is a search bar and a list of navigation links including Home, IABSE Lecture Series on the Internet, Animations, Videos, Handhelds & Mobiles, Structural Multi-Language Dictionary-Translator, IABSE DATABASE of Articles on Structures Worldwide, Interviews, Links to Other Useful Resources, Other Activities, and New Proposals.

List of available of Lectures / Animation on Mobile, YouTube, Handheld Sets

The screenshot shows the IABSE website interface. At the top left is the IABSE logo and the text 'International Association for Bridge and Structural Engineering'. Below this is a navigation menu with links for Home, IABSE, IABSE Foundation, Contact us, About, News, and Sponsor & Guidelines. The main content area is titled 'IABSE E-Learning Project (Preliminary - Experimental Phase)' and 'Presentations on Handhelds Devices, Ipad, Mobile and Desktop'. It lists 'Lectures' and 'Animations', with a 'List of Lectures' section. The first lecture is 'Lecture [1]: Structural and Construction Safety (Short Course: 5 parts), Prof. em. ETHZ Joerg Schneider'. Below the lecture title is a thumbnail image of a presentation slide titled 'Consciously accepting risk:'. To the right of the thumbnail are three download links: 'IPHONE' with a circled '1', 'YouTube' with a circled '2', and 'SPACE UNIVERSITY' with a circled '3'. A right-hand sidebar contains a table of contents with 12 items, including 'IABSE Lecture Series on the Internet', 'Animations', 'Videos', 'Handhelds', 'Mobiles', 'Structure', 'Bilingual Dictionary/Translator', 'IABSE DATABASE of Articles on Structures Worldwide', 'Interviews', 'Links to Other Useful Resources', 'Other Activities', and 'New Proposals'.

1. Ipod, Iphone, Ipad (.m4v)
2. YouTube (user name and password are provided by IABSE)
3. Several Mobile Phone (.3gp)

http://www.youtube.com/my_videos?sf=title&sa=1



YouTube (user name and password are provided by IABSE)

(7) Glossary / Translator / Dictionary (Multi-Languages Technical Glossary for Structural Engineering)

Currently includes 7 Languages:
**English, Deutsch, Français,
Italiano, Português, Greek,
Español**

This Glossary / Translator (Multi-Language Technical Glossary for Structural Engineering) contains over 700 entries from the field of structural engineering in several languages. It is based on the four languages “Technical Glossary for Structural Engineering” prepared by Prof. M. Hirt, EPF Lausanne, Prof. R. Passera, SUP Lugano, and Prof. J. Schneider, ETH Zürich.



The screenshot displays the IABSE website interface. At the top left is the IABSE logo and the text 'International Association for Bridge and Structural Engineering'. Below this is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, News, and Sitemap & Guidelines. The main content area features the heading 'IABSE E-Learning Project (Preliminary - Experimental Phase)' followed by a paragraph of text. Below the text are two buttons: 'Replay Presentation' and 'Click on S808'. The central focus is a large graphic of a stack of five books with the title 'Glossary Multi-Languages Translation' on the top blue book. To the right of the books is a grid of small thumbnail images. Below the book graphic, the text reads: '7- Glossary / Translator / Dictionary (Multi-Languages Technical Glossary for Structural Engineering)'. Underneath this, it states 'Currently includes 7 Languages: English, Deutsch, Français, Italiano, Português, Greek, Español'. At the bottom, a small paragraph describes the glossary's content: 'The Glossary / Translator (Multi-Language Technical Glossary for Structural Engineering) contains over 700 entries from the field of structural engineering in several languages. It is based on the four languages "Technical Glossary for Structural Engineering" prepared by Prof. M. Hirt, EPF Lausanne, Prof. R. Passera, SUP Lugano, and Prof. J. Schneider, ETH Zürich.'

The screenshot shows the IABSE website's dictionary form. The IABSE logo is at the top left. The main content area is titled "Dictionary / Translator" and "Multi Languages Technical Glossary for Structural Engineering". It contains an introduction and two sections: (2) "Technical Glossary for Structural Engineering... (4) Languages" and (3) "Technical Glossary for Structural Engineering... Multi Languages". On the right side, there is a "Translate:" section with a search box and a list of languages with checkboxes: English, Deutsch, Français, Italiano, Portugais, Greek, Spanish, and All Languages. Below the list are "Ok" and "Clear" buttons. A "Start Page" button is at the bottom of the right sidebar. Three red circles with numbers 1, 2, and 3 are overlaid on the page: 1 is on the search box, 2 is on the language list, and 3 is on the "All Languages" checkbox.

1. Write the word
2. Option 1: Select one or more language
3. Option 2: Select all languages

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IABSE E-Learning Project (Preliminary - Experimental Phase)

Multi Languages Technical Glossary for Structural Engineering

(1) Introduction: The Dictionary (Multi-Language Technical Glossary for Structural Engineering) contains over 130 entries from the field of structural engineering in several languages. It is based on the four languages "Technical Glossary for Structural Engineering" prepared by Prof. M. Hirt, EPF Lausanne, Prof. R. Rosser, SGP Lugano, and Prof. J. Schneider, ETH Zürich.

IABSE is grateful to the authors of this Glossary for the privilege to offer it within its E-Learning website for online use and download. IABSE is prepared to update the Glossary from time to time. Updating includes extending it to other languages and/or inclusion of new terms. In order to do so, IABSE invites its members to send remarks, additions, etc. per e-mail to news@iabse.org. The Portuguese Language is prepared by Prof. F. Branco, the Greek Language is provided by the National Group of Greece (provided by Mr. N. Papastavrou, September 2003), and the Spanish Language is provided by Prof. J. Turiso (July 2011).

Please note that each line in the Technical Glossary is marked with a number which, together with a language, clearly identifies a term. A new language would form a new column, a new term just would add a new line with a new number at the bottom of the Glossary.

No	English	Deutsch	Français	Italiano	Português	Greek	Español
10.00	arched bridge	Bogenbrücke, die	pont arc, m	ponte ad arco, m	ponte em arco	τοξωτή γέφυρα	Puente arco
117.00	bridge	Brücke, die	pont, m	ponte, m	ponte	γέφυρα	Puente
117.01	straight bridge	gerade Brücke, die	pont droit	ponte diritta	ponte direita	ευθύγραμμη γέφυρα	Puente recto
117.02	skew bridge	schiefe Brücke, die	pont biais	ponte obliquo	ponte em viés	λετή γέφυρα	Puente ensado
148.00	slab bridge	Plattenbrücke, die	pont dalle, m	ponte a piastra, m	ponte em laje	πέλασμα (μπαρτέζ) πλάκα	Puente losa
194.00	beam bridge	Balkenbrücke, die	pont poutre, m	ponte a travata, m	ponte vigada	γέφυρα αμορτίλης, δοκού	Puente viga
204.00	suspension bridge	Hängebrücke, die	pont suspendu, m	ponte sospesa, m	ponte suspenso	κρεμαστή γέφυρα	Puente colgante
472.00	temporary bridge	Hilfsbrücke, die	pont provisoire, m	ponte provvisoria, m	ponte provisória	προσωρινή γέφυρα	Puente provisional

Translate:

English
 Deutsch
 Français
 Italiano
 Português
 Greek
 Spanish
 All Languages

Search for Articles & Photos in **IBSE Database**

or
Original Glossary + Languages

Home

- 1- IABSE Lecture Series on the Internet
- 2- Animations
- 3- Videos
- 4- HandFields
- 5- Mobiles
- 7- Structural Multi Language Dictionary-Translator
- 8- IABSE DATABASE of Articles on Structures Worldwide
- 9- Interviews
- 10- Links to Other Useful Resources
- 11- Other Activities
- 12- New Proposals

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The Results are shown in a Table

(8) Database on Structures Worldwide

Currently available [570] articles, mainly from IABSE SEI Journals on Structures Worldwide (from 1991 to 2005). For every article, the following are available: Abstract, Keywords, and some of the Figures & Photos are provided. Interested readers could refer to SEI Journal or download the full article from IABSE.

The screenshot displays the IABSE website interface. At the top left is the IABSE logo (International Association for Bridge and Structural Engineering). Below the logo is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, News, and Sitemap & Guides. The main content area features a section titled 'IABSE-Learning Project (Preliminary - Experimental Phase)' with a list of current activities including Lectures, Animations, Videos, Previous items on YouTube, Handout Sets, eBooks, Glossary/Translator, and a Database on Structures Worldwide. A large grid of images is shown, with the text 'Tenth Anniversary Issue' overlaid. Below the grid, there is a section titled '8- Database on Structures Worldwide' which contains a paragraph of text and a sub-section titled 'Importance of the Database'.

Importance of the Database: The electronic database about "IABSE Structures Worldwide" could include about 1200 articles. It could be a unique database about bridges, buildings, water structures, roofs, domes, shells, terminals, energy structures, and many interesting structures constructed in different countries. The database could be very useful for the structural engineers: practicing engineers in design or construction, Professors, students, researchers. Also to Architects, particularly in the Conceptual design phase of challenging structures.

Importance of the Database: The electronic database about "IABSE Structures Worldwide" could include about 1200 articles. It could be a unique database about bridges, buildings, water structures, roofs, domes, shells, terminals, energy structures, and many interesting structures constructed in different countries. The database could be very useful for the structural engineers: practicing engineers in design or construction, Professors, students, researchers. Also to Architects, particularly in the Conceptual design phase of challenging structures.

[1] Main page of IABSE eLearning DATABASE

The screenshot shows the IABSE eLearning Database main page. The IABSE logo is at the top left. Below it, the text reads "International Association for Bridge and Structural Engineering". A navigation menu includes "Home", "IABSE", "IABSE Foundation", "Contact us", "About", "New", and "SiteMap & Guidelines". The main content area is titled "IABSE E-Learning Project (Preliminary - Experimental Phase)" and "IABSE Database of Articles on Structures Worldwide (from articles in IABSE SEI Journals, E-Learning Lecture Series on Internet)".

Four red circles with numbers 1 through 4 highlight specific features:

- 1. The search input field under "Method (1)".
- 2. The "About Database:" section, which states: "IABSE Database of articles on Structures Worldwide, part of IABSE E-Learning Project (Preliminary - Experimental Phase). Currently includes information about articles from IABSE SEI Journals on Structures Worldwide (From 1991 to 2005). Also, includes information about articles from IABSE 'Lecture Series on Internet'. Information for every article include: Title, Authors, Abstract, Keywords, and Photos. The screen is divided into 4 quarters. Input search parameters in the 'Top-Left'. Search output in the other quarters. List of papers/articles in the 'Top-Right'. Abstract and Keywords in the 'Bottom-Left'. Photos in the 'Bottom-Right'. For IABSE members, all photos should be available, for non-members only one photo should be available. IABSE members can access the articles through IABSE members area."
- 3. The "How To Use Database Search:" section, which includes "Method (1)" and "Method (2)" instructions.
- 4. A grid of photos showing various bridge and structural engineering projects.

1. Search items (Method 1 and Method 2)
2. How to use database search
3. About Database
4. Photos

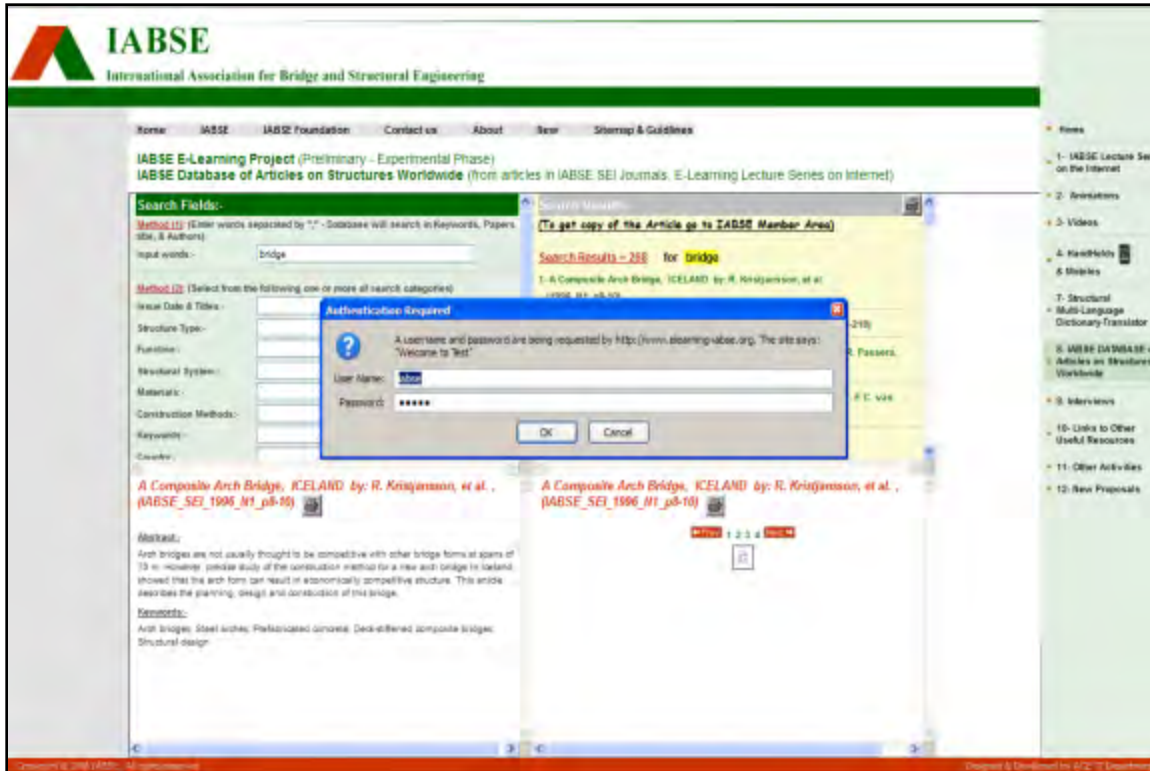
[2] Method (1):

Enter one word (e.g. Opera). Database will search in keywords, Papers title & Authors. The results will appear on the right side

The screenshot displays the IABSE website's search interface. On the left, there is a search form with a text input field containing the word 'opera' (marked with a red circle 1). Below the input field are several dropdown menus for filtering search results by criteria like 'Issue Date & Titles', 'Structure Type', and 'Material'. A 'Search' button is visible. On the right side, the search results are displayed (marked with a red circle 2). The results show a list of articles, with the first one being 'Structural Design for the Saitama Arena, JAPAN' by T. Kobori, G. Hasegawa, et al. (marked with a red circle 3). The results also show the total number of articles found (4) and a link to get a copy of the article.

1. Method 1: write the word
2. Search results show the total number of articles available, the articles name, author name and volume, date.
3. Click on the article title to show the abstract, keywords and photos

[3] User name and password to view article's photos



1. Write the user name and password to view all article's photos
2. User name: iabse
3. Password: dbasw

[4] Data available for each article

The screenshot displays the IABSE website's search interface. On the left, the 'Search Fields' section includes a search box with 'opera' entered, and various filters for Issue Date & Title, Structure Type, Function, Structural System, Material, Construction Method, Keyword, and Country. The main search results area shows a list of four articles. The first article, 'Bridge Deck Technology for the Copenhagen Opera Ho, DENMARK', is highlighted. Below the list, the abstract and keywords for this article are visible. A photograph of the opera house is shown at the bottom of the article preview. Red circles with numbers 1 through 4 are overlaid on the image to indicate specific data points: 1 points to the article title, 2 points to the abstract text, 3 points to the article title in the search results list, and 4 points to the photograph of the opera house.

1. Abstract of the article
2. Keywords of the article
3. Icon for printing the abstract and the keyword
4. All photos extracted from the article and could be printed with the © IABSE.

[5] Method (2):

Select the search item/items from the pull down lists

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IABSE E-Learning Project (Preliminary - Experimental Phase)
IABSE Database of Articles on Structures Worldwide (from articles in IABSE SEI Journals, E-Learning Lecture Series on Internet)

Search Fields:-
Method 1/2 (Enter words separated by " " - Database will search in keywords, Papers title, & Authors)
Input words:-
Method 1/2 (Select from the following one or more of search-categories)
Issue Date & Tribes:-
Structure Types:-
Function:- **Opera** ①
Structural System:-
Materials:-
Construction Methods:-
Keywords:- **Roof** ②
Country:-

Search Results - 1 for **Opera - Roof**
(To get copy of the Article go to IABSE Member Area)
1. Bridge Deck Technology for the Copenhagen Opera Ho, DENMARK by Exner, Hans; Kaern, Jens C.; Hansen, Henril Kortermann (IABSE_SEI_2005_N1_p16-20)

Bridge Deck Technology for the Copenhagen Opera Ho, DENMARK by: Exner, Hans; Kaern, Jens C.; Hansen, Henril Kortermann (IABSE_SEI_2005_N1_p16-20)

Abstract:
The new Opera House - Copenhagen opened with its first performance on 15 January, 2005. It is the first building in Denmark dedicated exclusively to the performance of opera and ballet. It was built within a very short time schedule, in only 4 years, including all design and construction work. The Opera has a total area of 41 000m², of which 7000m² is accessible to the public. It is uniquely situated opposite to the residence of the Royal family in Copenhagen and at a slight bend of the harbour, which gives it a magnificent view of the entire harbour region and also makes it visible from everywhere along the harbour front (Fig. 1).

Keywords:
Roof Structure, Dynamic Behaviour, State Analysis, Auditories, Foyers, Footbridges, Ground Water

Fig. 1. View of Opera House and cantilevered roof

Home IABSE Lecture Series on the Internet
2. Animations
3. Videos
4. Handhelds & Mobiles
7. Structural Multi-Language Dictionary-Translator
8. IABSE DATABASE of Articles on Structures Worldwide
9. Interviews
10. Links to Other useful Resources
11. Other Activities
12. New Proposals

1. From Function list for example select “Opera”
2. From the Keywords list, select “Roof”

(9) Interviews with & about Structural Engineers (ing)



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IABSE E-Learning Project (Preliminary - Experimental Phase)

Current activities include: (1) Lectures, (2) Animations, (3) Videos, (4) Previous items on YouTube, hand-held Site, Mobiles, (7) Glossary/Translator (Multi-Language Technical Glossary for Structural Engineering), (8) Database of Structures Worldwide (from Articles in SEI Journal), (10) Links to useful web-resources. Other activities are under consideration and approval by IABSE e-Learning Board. The project is supported by IABSE Foundation (Plan updates: Dec 2006, Apr 2007, May 2008, 19 Aug 2008, 31 Mar 2009, April 2010, May 2011, September 2011).

Replay Presentation Click on Slide

INTERVIEW

(Under Preparation)

9- Interviews with & about Structural Engineers (ing)

Currently available [57] articles, mainly from IABSE SEI Journals on Structures Worldwide (from 1991 to 2005). For every article, the following are available: Abstract, keywords, and some of the Figures & Photos are provided. Interested readers could refer to SEI Journal or download the full article from IABSE.

Introduction to the Database: The electronic database about "IABSE Structures Worldwide" could include about 1200 articles; it could be a unique database about bridges, outfalls, water structures, roofs, domes, shells, towers, energy structures, and many interesting structures constructed in different countries. The database could be very useful for the structural engineers: practicing engineers in design or construction, Professors, students, researchers. Also to Architects, particularly in the Conceptual design phase of challenging structures.

Search this Website:
Exact Words

- Home
- 1- IABSE Lecture Series on the Internet
- 2- Animations
- 3- Videos
- 4- Handbooks & Modules
- 7- Structural Multi-Language Dictionary/Translator
- 8- IABSE Database of Articles on Structures Worldwide
- 9- Interviews
- 10- Links to Other Useful Resources
- 11- Other Activities
- 12- New Proposals

9a- Interviews with & about Structural Engineers and Structural Engineering, (Under Consideration)

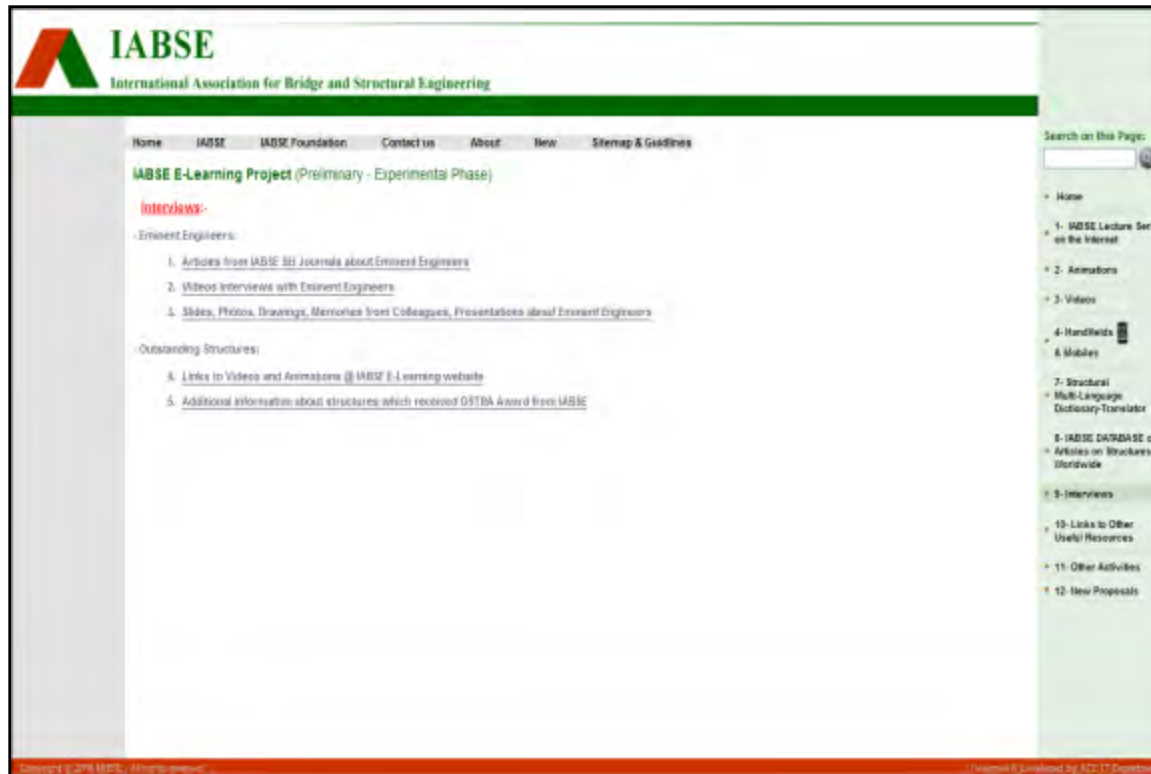
This section will include videos interviews with Eminent Engineers. It could possibly include interviews to be broadcasted on the Website. Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Coming Soon

9b- Articles and Information about Eminent Structural Engineers (Under Consideration)

Includes articles about history, brief about main contributions of distinguished Structural Engineers, and list of publications. It could possibly include interviews to be broadcasted on the Website.

Articles published in SEI about Eminent Engineers are presented on this page. Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.



Interviews includes :-

- Eminent Engineers:

1. Articles from IABSE SEI Journals about Eminent Engineers
2. Videos Interviews with Eminent Engineers
3. Slides, Photos, Drawings, Memories from Colleagues, Presentations about Eminent Engineers

-Outstanding Structures:

4. Links to Videos and Animations @ IABSE E-Learning website
5. Additional information about structures which received OSTRA Award from IABSE

[1] Articles from IABSE SEI Journals about Eminent Engineers

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IABSE E-Learning Project (Preliminary - Experimental Phase)

Interviews:-

- Eminent Engineers:
 1. [Articles from IABSE SEI Journals about Eminent Engineers](#) **1**
 2. [Video Interviews with Eminent Engineers](#)
 3. [Slides, Photos, Drawings, Memories from Colleagues, Presentations about Eminent Engineers](#)
- Outstanding Structures:
 4. [Links to Videos and Animations @ IABSE E-Learning website](#)
 5. [Additional information about structures which received OSTRA Award from IABSE](#)

(1) Eminent Engineers:- Articles from IABSE SEI Journals

Includes articles about history, brief about main contributions of distinguished Structural Engineers and list of publications. It could possibly include interviews to be broadcasted on the Website. Articles published in SEI about Eminent Engineers are presented on this page. Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Introduction to SEI Articles about Eminent Engineers (3/2004)

Eminent Engineers Article	SEI Issue No.
Fakur R. Khan (1929-1982), USA	3/2004
Armin Telleken (1903-1994), Germany	4/2004
Wiyehi Muto (1903-1988), Japan	1/2005
Li Guohao, China	1/2009
William Salim Hanna (1906-1981), Egypt	2/2009
Olav Olsen (1913-1988), Norway	4/2009
Phil Leimbach (1929-1998), Germany	1/2007
Maria Salvadori (1907-1997), USA	2/2007
Eugène Freyssinet (1878-1962), France	3/2007
Eugeniy Steinhilber (1905-1973), Russia	4/2007
Julius Naberer, Germany	2/2008
David B. Steinman (1886-1960)	1/2009
Abuzhi Hikal (1908-1990)	3/2009
C. Allen Cornell (1938-2007)	2/2009

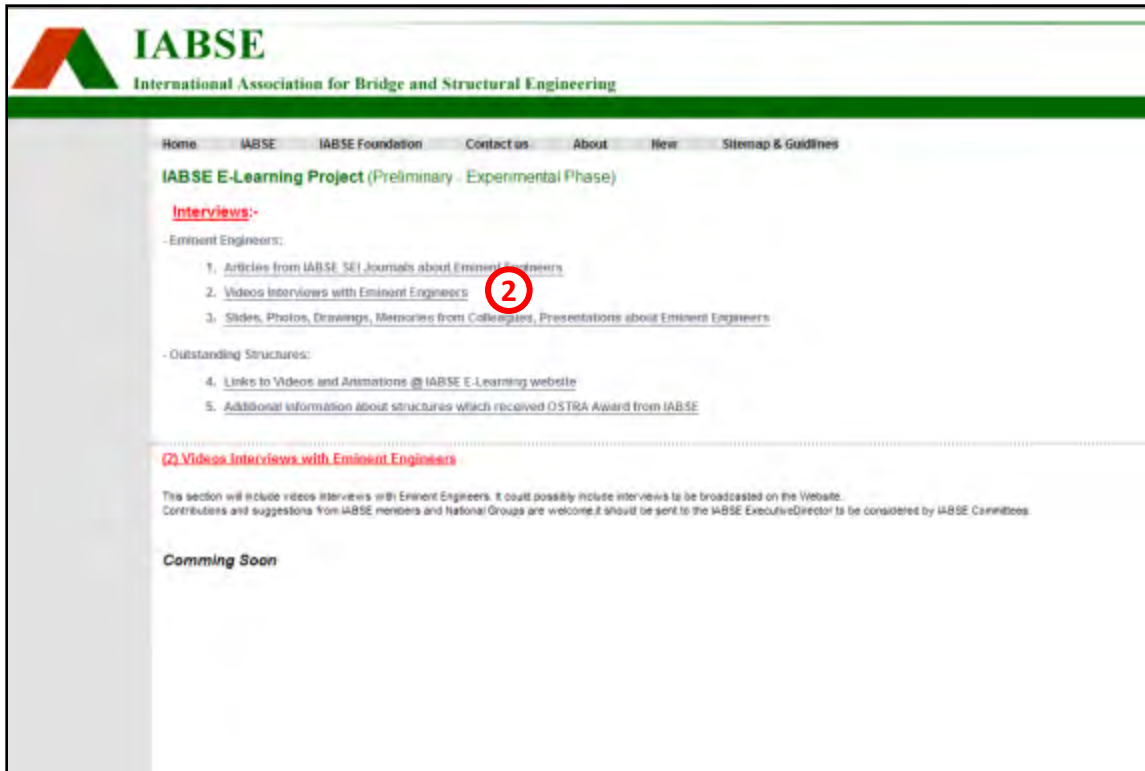
Currently available 14 articles about Eminent Engineers From

Includes articles about history, brief about main contributions of distinguished Structural Engineers, and list of publications. It could possibly include interviews to be broadcasted on the Website.

Articles published in SEI about Eminent Engineers are presented on this page.

Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

[2] Videos Interviews with Eminent Engineers



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IABSE E-Learning Project (Preliminary - Experimental Phase)

Interviews:-

- Eminent Engineers:

1. [Articles from IABSE SEI Journals about Eminent Engineers](#)
2. [Videos interviews with Eminent Engineers](#)
3. [Slides, Photos, Drawings, Memories from Colleagues, Presentations about Eminent Engineers](#)

- Outstanding Structures:

4. [Links to Videos and Animations @ IABSE E-Learning website](#)
5. [Additional information about structures which received OSTR Award from IABSE](#)

[2] Videos Interviews with Eminent Engineers

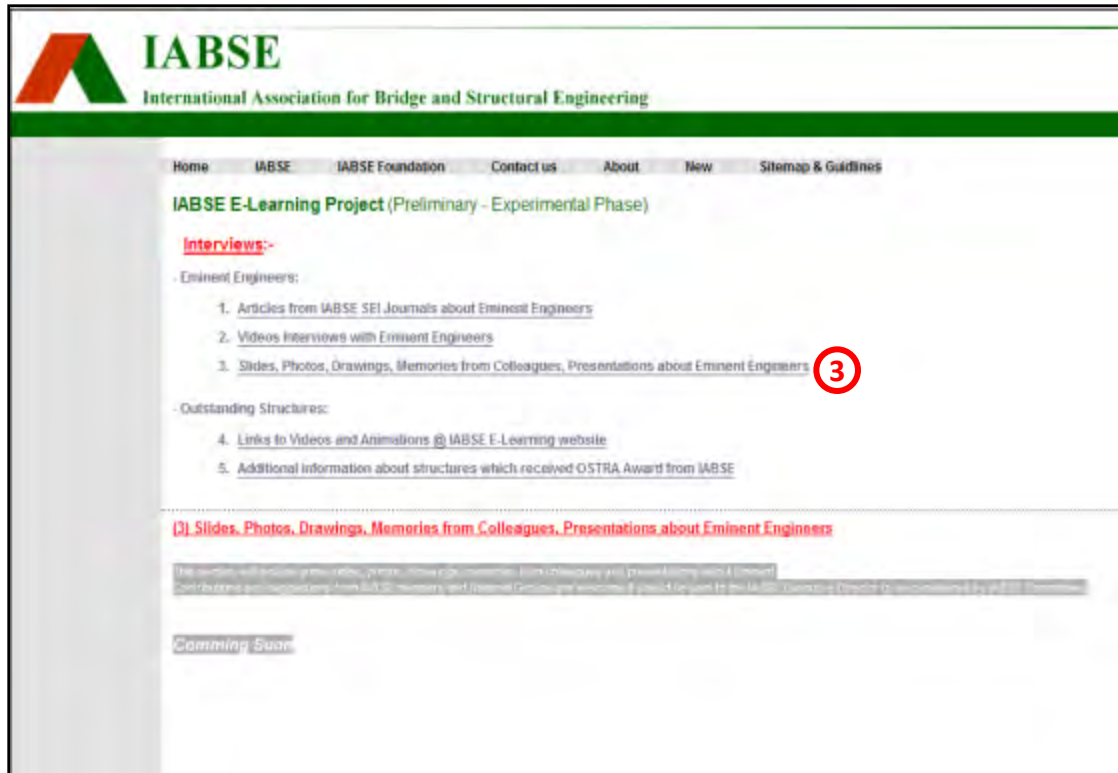
This section will include videos interviews with Eminent Engineers. It could possibly include interviews to be broadcasted on the Website. Contributors and suggestions from IABSE members and National Groups are welcome. It should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Comming Soon

This section will include videos interviews with Eminent Engineers. It could possibly include interviews to be broadcasted on the Website. Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Comming Soon

[3] Slides, Photos, Drawings, Memories from Colleagues, Presentations about Eminent Engineers

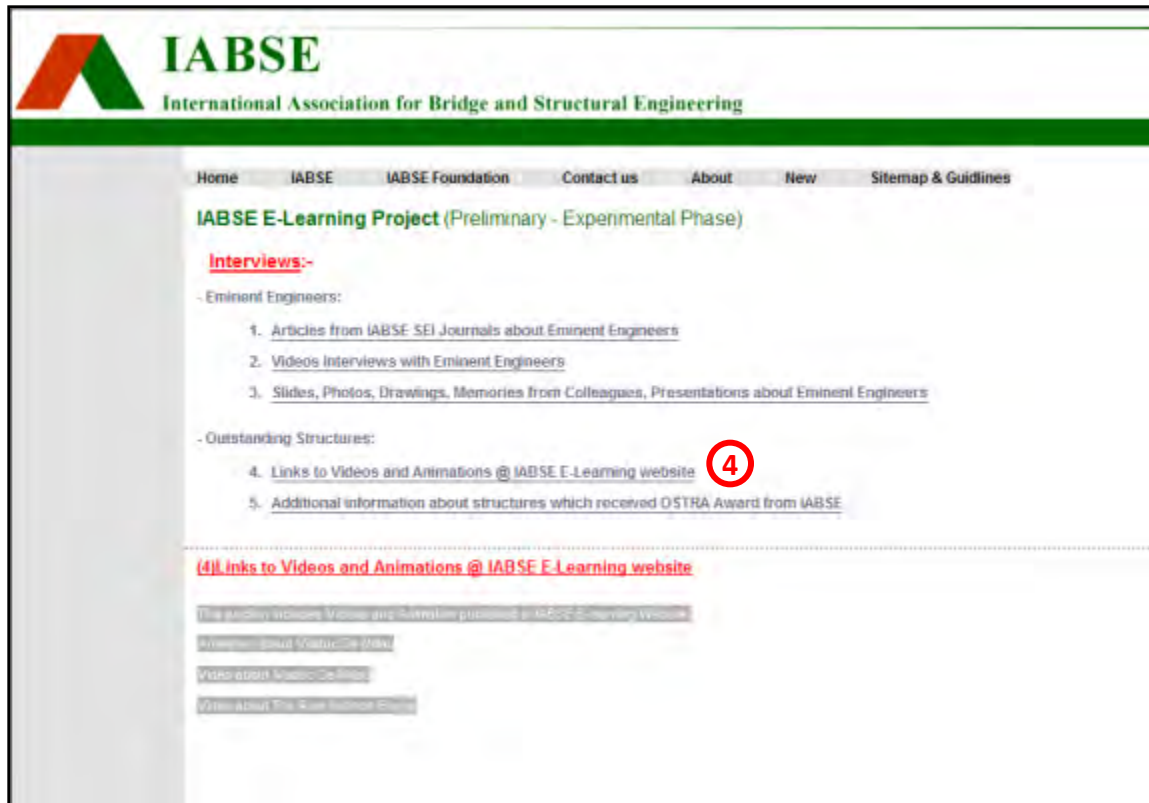


This section will include some slides, photos, drawings, memories from colleagues and presentations about Eminent.

Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Coming Soon

[4] Links to Videos and Animations @ IABSE E-Learning website

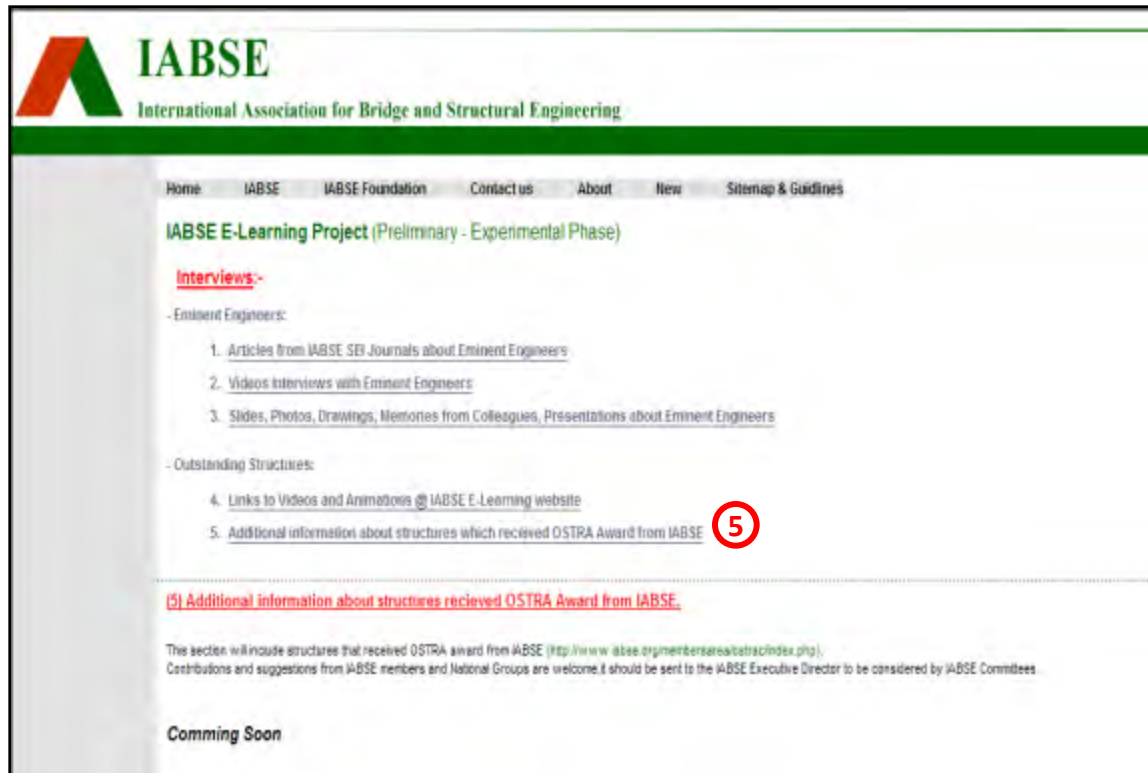


This section includes Videos and Animation published at IABSE E-learning Website.

- Animation about Viaduc De Millau
- Video about Viaduc De Millau
- Video about The Rion Antirion Bridge

Under Preparation

[5] Additional information about structures which received OSTR A Award from IABSE



This section will include structures that received OSTR A award from IABSE (<http://www.iabse.org/membersarea/ostrac/index.php>).

Contributions and suggestions from IABSE members and National Groups are welcome, it should be sent to the IABSE Executive Director to be considered by IABSE Committees.

Coming Soon

[10] Links to useful web-resources

The screenshot shows the IABSE website interface. At the top left is the IABSE logo and the text 'International Association for Bridge and Structural Engineering'. Below this is a navigation menu with links for Home, IABSE, IABSE Foundation, Contact us, About, News, and Sitemap & Guidelines. The main content area features the 'IABSE E-Learning Project (Preliminary - Experimental Phase)' with a list of current activities. A large graphic displays the word 'WWW' in a 3D font. To the right of this graphic is a grid of small thumbnail images. Below the grid, the section is titled '10- Links to useful web-resources' and lists five categories of links: (1) Courses, (2) Educational Software, (3) Animations, (4) Lectures, and (5) Other Websites.

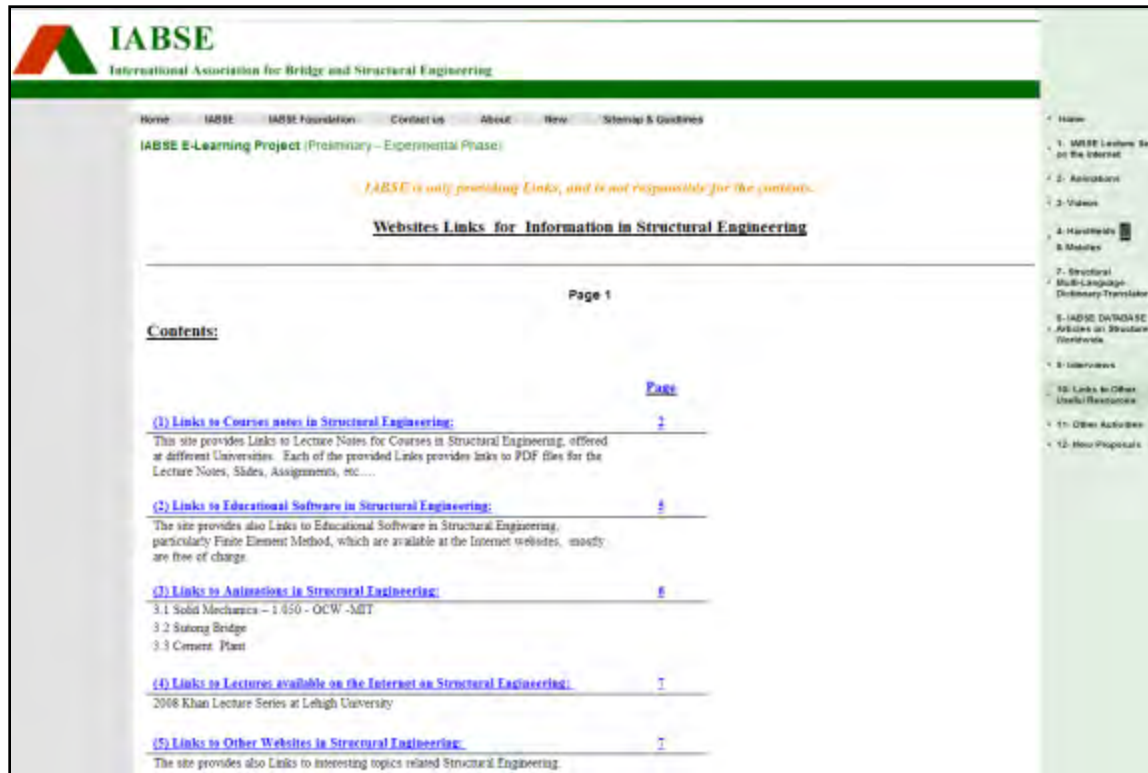
10- Links to useful web-resources

Currently includes about 200 links
Websites Links for Information in Structural Engineering

- (1) Links to Courses notes in Structural Engineering
- (2) Links to Educational Software in Structural Engineering
- (3) Links to Animations in Structural Engineering
- (4) Links to Lectures available on the Internet on Structural Engineering
- (5) Links to Other Websites in Structural Engineering

(Links to websites, with Classification of the websites). The Internet is full of information and Links on Structural Engineering: 1 - Courses at Universities, 2 - Research Reports on different topics, 3 - Reports about practice of: bridge bearings, bridge Aesthetics, deterioration of Expansion joints, buildings, From organization such as PWRI (Japan), NCHRP (USA),....., 4 - For many of the recent structures, websites are available, which are updated weekly, to follow up construction. Links to these websites could be available, 5 - At some Universities, when major testing programs are carried out, links are sent to interested viewers to follow the testing online. Provide these links at IABSE website, 6 - List of Recently published Books in Structural Engineering.

Websites Links for Information in Structural Engineering



The screenshot shows the IABSE website interface. At the top, there is a green header with the IABSE logo and the text "International Association for Bridge and Structural Engineering". Below the header, there is a navigation menu with links: Home, IABSE, IABSE Foundation, Contact us, About, News, and Seminar & Guidelines. The main content area is titled "IABSE E-Learning Project (Preliminary – Experimental Phase)" and contains a disclaimer: "IABSE is only providing Links, and is not responsible for the contents." Below this, there is a section titled "Websites Links for Information in Structural Engineering" and "Page 1". A table of contents is displayed, listing five categories of links with their corresponding page numbers.

Contents:	Page
(1) Links to Courses notes in Structural Engineering:	2
This site provides Links to Lecture Notes for Courses in Structural Engineering, offered at different Universities. Each of the provided Links provides links to PDF files for the Lecture Notes, Slides, Assignments, etc....	
(2) Links to Educational Software in Structural Engineering:	3
The site provides also Links to Educational Software in Structural Engineering, particularly Finite Element Method, which are available at the Internet websites, mostly are free of charge.	
(3) Links to Animations in Structural Engineering:	8
3.1 Solid Mechanics – 1.050 - OCW - MIT 3.2 Strong Bridge 3.3 Cement Plant	
(4) Links to Lectures available on the Internet in Structural Engineering:	7
2008 Khan Lecture Series at Lehigh University	
(5) Links to Other Websites in Structural Engineering:	7
The site provides also Links to interesting topics related Structural Engineering.	

Currently includes about 200 links
Websites Links for Information in
Structural Engineering

1. Links to Courses notes in Structural Engineering
2. Links to Educational Software in Structural Engineering
3. Links to Animations in Structural Engineering
4. Links to Lectures available on the Internet on Structural Engineering
5. Links to Other Websites in Structural Engineering:
 - 5.1 Links to Sites on Structural System for Bridges.
 - 5.2 Links to Sites on Seismic Design of Structures.
 - 5.3 Links to Dictionaries
 - 5.4 Others Links.

11- Other Activities

IABSE
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Home IABSE IABSE Foundation Contact us About New Sitemap & Guidelines

IABSE E-Learning Project (Preliminary - Experimental Phase)

Current activities include: (1) Lectures, (2) Animations, (3) Videos, (4) Previous items on YouTube, Handheld Sets, Mobiles, (7) Glossary/Translator (Multi-Language Technical Glossary for Structural Engineering), (8) Database on Structures Worldwide (from Articles in SED Journal), (10) Links to useful web-resources. Other Activities are under consideration and preparation by IABSE e-Learning Board. This project is supported by IABSE Foundation (file updates: Dec 2005, Apr 2007, May 2008, 19 Aug 2008, 31 Mar 2009, April 2010, May 2011, September 2011)

Finish

Other Activities

11- Other Activities

For example: e-books, IABSE Pedia, Forums
(Under Preparation)

Search on this Page:

- 1- IABSE Lecture Series on the Internet
- 2- Animations
- 3- Videos
- 4- Handhelds & Mobiles
- 7- Structural Multi-Language Dictionary-Translator
- 8- IABSE DATABASE of Articles on Structures Worldwide
- 9- Interviews
- 16- Links to Other Useful Resources
- 11- Other Activities
- 12- New Proposals

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- IABSE SED DATABASE
- Interactive Webinars
- e-books
- Forums
- IABSE-pedia

(Under Preparation)

IABSE Database of Articles on Rehabilitation, Repair, Retrofitting, and Strengthening of Structures Based on IABSE SEI Journal, Conferences and SED 12

IABSE SED 12 Database of articles on case studies Rehabilitation, Repair, Retrofitting, and Strengthening of structures.

This Database includes information from articles published in IABSE SEI Journals (from 1991 to 2010) which are related to topics of SED 12 (rehabilitation, repair, retrofit, strengthening, upgrading,... of structures). Information for every article includes: Title, Authors, Abstract, Keywords, and Photos.

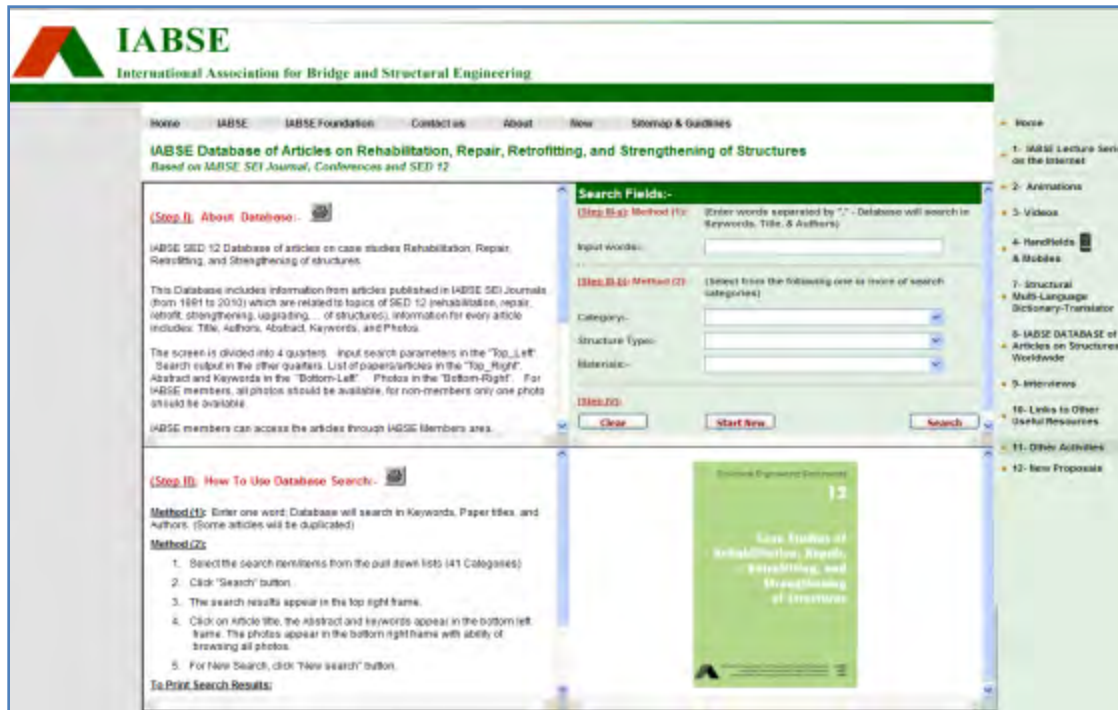
The screen is divided into 4 quarters. Input search parameters in the "Top_Left". Search output in the other quarters. List of papers/articles in the "Top_Right". Abstract and Keywords in the "Bottom-Left". Photos in the "Bottom-Right". For IABSE members, all photos should be available, for non-members only one photo should be available.

IABSE members can access the articles through IABSE Members area.

<http://www.iabse.org/membersarea/index.php> . Non-members can purchase the papers you could get the following Website:

<http://www.ingentaconnect.com/content/iabse/sei> Two search methods are provided. Search Method (2) is still under preparation and review.

It is acknowledged that IABSE Foundation provided funding for Scanning all IABSE Publications before 2002. This is the source for the photos of the articles in the Database. Currently only 50 Articles, 700 articles should be added and articles from IABSE Symposium proceedings



12- New Proposals



The screenshot shows the IABSE website with a navigation menu at the top: Home, IABSE, IABSE Foundation, Contact us, About, News, Sitemap & Guidelines. Below the menu is the 'IABSE E-Learning Project (Preliminary - Experimental Phase)' section, which lists current activities and a 'Flash' button. The main content area features a large blue box with the text 'New Proposals' and a grid of small images. Below this box, a black banner reads '12- New Proposals' and a white box contains the text: 'Your proposals, suggestions and comments are most welcome. Please send to iabse@iabse.org'. On the right side, there is a search bar and a table of contents with 12 items, where item 12 is 'New Proposals'.

Your proposals, suggestions and comments are most welcome.

Please send to iabse@iabse.org

About:

IABSE E - Learning Project

Preliminary – Experimental Phase

About:

HOME

IABSE E - Learning Project

Preliminary – Experimental Phase

E-mail: elearning@iabse.org

Objective of IABSE E-Learning: The main objective of the E-learning project of IABSE is to provide, in addition to publications and conferences, an third channel for the exchange of knowledge and experience in Structural Engineering. It will help IABSE to fulfill its mission and objectives.

The site is still in a preliminary and experimental phase. Your comments and suggestions will be appreciated. Please have a look to what is already operational and to what is planned. You are most welcome to let us know your opinion and suggestions. You may also provide your contributions, which will be considered for uploading on this website by the IABSE E-Learning Board. Please send your comments or proposals to elearning@iabse.org.

IABSE website: <http://www.iabse.org/> , IABSE Foundation: <http://www.iabse.org/association/iabsefoundation/index.php>

Committees in charge:

In September 2006, a committee was established to follow up the work on the "IABSE Lecture Series". The members of the committee are: Joerg Schneider, Tobia Zordan, and Mourad M. Bakhoun. This committee was responsible for the developments and the selection of the contents currently available on the E-Learning website.

From May 2008, the IABSE E-Learning Board will be in charge of checking the actual content and of ensuring the quality of the IABSE E-Learning website. Members of the IABSE E-Learning Board are (arranged alphabetically): Mourad M. Bakhoun, Annette Bögle, Charis J. Gantes, James H. (Jim) Garrett, K.R. Jayasankar, Gilson Marchesini, John Miles, Ingo Müllers, Joerg Schneider, Ann Schumacher, José Turmo, Tobia Zordan.

Thanks:

The Committee is thankful to the IABSE Foundation Council for its decisive financial support, it acknowledges the help from members of the Technical and Executive Committees of IABSE and the support by the IABSE Secretariat. The trust and support of the lecturers who provided presentations, especially recorded for the IABSE Lecture Series, while still in the very preliminary phase is acknowledged as well. The website and its content in the format currently shown would not exist without the immense support and dedication provided by IT experts in Cairo.

(Last update 21 May 2008)

New in IABSE E-Learning Website

IABSE E - Learning Project (Preliminary - Experimental Phase)

Last Update 30 August 2010

[HOME](#)

New in IABSE E-Learning Website

Lectures Series:

Currently 40 Lectures. *8 New lectures are added since August 2009:*

- *[04] Lecture: Wind-Induced Vibrations of Structures and Their Control, Prof. Dr. MANABU ITO (Previously Lecture 34)*
- *[07] Lecture: Disaster Risk Reduction and the Structural Engineer, by Prof. Paul Grundy (Under preparation)*
- [23] Lecture: Cable Vibrations in Cable-Stayed Bridges, Part 1: Assessment, by Elsa de Sá Caetano
- [34] Lecture: Major Bridge Projects A Multi-disciplinary Approach - The Future, Mr. Klaus OSTENFELD (Previously Lecture 41)
- [35] Lecture: China's Major Bridges, Maorun FENG
- [36] Lecture: The Bridge Evolution in the Future: Values of Bridges in the Formation of Cities, Prof. Sung-Pil Chang
- [37] Lecture: The Rion-Antirion Bridge - When a Dream becomes Reality, Mr. Jacques Combault
- [38] Lecture: From Bridges across Great Belt and Oresund towards a Femern Belt Bridge, Prof. Niels J GIMSING
- [39] Lecture: The Twin River Bridges Chongqing, China, Dr. Man-Chung Tang
- [40] Lecture: Recent Major Bridges in Korea, Prof. Hyun-Moo KOH

[Click Here To view Printable List of Lectures & Short Courses](#)

Animations

Currently 10 Animations

One animation is added: Animation about Phu My Bridge, Provided by Mr. George D. Moir, Bifinger Berger

Site Map & Guidelines

The screenshot displays the IABSE website's navigation and content structure. At the top left is the IABSE logo, consisting of a stylized 'A' in red and green, followed by the text 'IABSE International Association for Bridge and Structural Engineering'. A green horizontal bar spans the width of the page below the logo. A navigation menu is located below the bar, with links for Home, IABSE, IABSE Foundation, Contact us, About, New, and Sitemap & Guidelines. The main content area is titled 'IABSE E-Learning Project (Preliminary - Experimental Phase)'. It features two primary sections: 'Guidelines' and 'Site Map'. The 'Guidelines' section includes a link for 'View and Download'. The 'Site Map' section lists twelve categories, each with a small icon: IABSE Lecture Series on the Internet, Animations, Videos, HandHelds & Mobiles, Structural Multi-Language Dictionary-Translator, IABSE DATABASE of Articles on Structures Worldwide, Interviews, Links to Other Useful Resources, Other Activities, New Proposals, and Functional Navigation. On the right side of the page, there is a search box labeled 'Search on this Page:' and a vertical list of numbered items (1-12) corresponding to the Site Map categories. At the bottom of the page, there are two lines of small text: 'Copyright © 2002 IABSE. All rights reserved.' on the left and 'Designed & Developed by ACE IT Clearwell' on the right.

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International Association for Bridge and Structural Engineering

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