

## Aarne Jutila



1940-ben született Helsinkiben. Mérnöki diplomáját 1966-ban szerezte meg.

1964-1970 között svájci, svéd és észak ír egyetemeken tanársegéd, 1970 és 1976 között a Tapiola Co Híd és szerkezettervező irodában tervezőmérnök majd vezetőtervező. 1976 és 2008 között a Helsinkii Műszaki Egyetemen dolgozott, kezdetben tanársegédként, végül professzorként. 2008-tól az Extraplan nevű cég ügyvezető igazgatója. Mintegy 141 hidat tervezett.

Tagja az IABSE Állandó Bizottságának, a Finn Műszaki Tudományok Akadémiájának és az Észak-Európai Út és Közlekedési Fórumnak.

A magyar- finn barátság már több mint 30 éve kiemelkedően fontos számára. 1987-ben járt először Magyarországon, amit azóta közel 80 látogatás követett, több előadást is tartott. Budapest mellett több másik városba is elutazott, például Győrbe és Pécsre.

Közbenjárásának köszönhetően magyar hidászok többször jártak tanulmányúton Finnországban.

2002-ben a BME tiszteletbeli doktorává avatták.

## Curriculum Vitae

Name: **Jutila, Aarne Evert**

Title: Professor, Dr Tech., Dr h.c.

Born: July 1, 1940, Helsinki, Finland.

Nationality: Finnish.

Education: Diploma Engineer (M.Sc.), 1966,

Licentiate of Technology, 1982,

Doctor of Technology, 1985, all at Helsinki University of Technology, Department of Civil Engineering, Finland.

### Main Occupation

- 1964-66 State Institute for Technical Research, Laboratory of Bridge Engineering (Prof. H. Paavola), Otaniemi, Finland, Research Assistant, Research Engineer.
- 1966-67 Swiss Federal Institute of Technology (ETH), Institute for Statics of Structures (Prof. Dr Bruno Thürlimann), Zurich, Switzerland, Exhibitioner and Research Engineer.
- 1967 Kjessler & Mannerstråle Ab, Consulting Engineers, Stockholm, Sweden, Bridge Designer.
- 1967-69 Kjessler & Mannerstråle Ab, Consulting Engineers, Tapiola, Finland, Bridge Designer.
- 1969-70 The Queen's University of Belfast, Department of Civil Engineering (Prof. T. M. Charlton), Belfast, Northern Ireland, Assistant Lecturer.
- 1970-72 KM-Insinööritoimisto Oy, Consulting Engineers, Tapiola, Finland, Bridge and Structural Designer, Head of a Data Processing Group, Project Manager.
- 1972-74 National Road and Waterway Administration, Bridge Department, Design Office, Helsinki, Design and Control Engineer, Head of the Control Office.
- 1974-76 KM-Insinööritoimisto Oy, Consulting Engineers, Tapiola, Finland, Head of the Department of Bridge and Structural Engineering.
- 1976-84 Helsinki University of Technology, Department of Civil Engineering, Otaniemi, Assistant of Bridge Engineering, Laboratory Engineer of Bridge Engineering.
- 1984-2008 Professor of Bridge Engineering (full Professor since February 1, 1988).
- 2008- Insinööritoimisto Extraplan Oy. Consulting Engineering Firm. Managing Director.

### Secondary Occupation

- 1979-80, Part-time teacher at the Military Academy's (Sotakorkeakoulu) technical study line,
- 1982-84 Helsinki, in bridge engineering and in statics of structures.

### Study Tours of Importance

- 1966-67 Switzerland (Scholarship of the Swiss Government).
- 1969-70 United Kingdom.
- 1984-2008 USA and Canada, six different visits.
- 1986-98 Japan, three different visits.
- 1992- New Zealand, Australia (twice), Egypt (twice), Tansania, Brazil, Hongkong, Singapore, India (three times), most countries in Europe several times.

## Membership and Activity in Associations

- 1963- Association of Finnish Civil Engineers (RIL). Member of the Board of Directors 1987-89.  
Member of the Bridge Committee 1982-87, 2009-2015, Chairman 1985-87. Member of the Leading Group of RIL Seniors 2009-2013. Chair of the RIL Seniors' History Group 2009-. Many other committees.
- 1967- International Association for Bridge and Structural Engineering (IABSE). Finnish National Group Secretary 1972-88, Chair 1989-2012. Member of the Permanent Committee 1985-2016, Vice-Chair and Session Chair of the 13th Congress in Helsinki in 1988. Scientific Committee Member and Chair of Session 1 in Cable-Stayed Bridges Conference in Malmö 1999 and in many other conferences thereafter. Vice President 1999-2007. Honorary Member 2010-.
- 1974-2006 Association of Finnish Consulting Engineers (SNIL).
- 2000- Member of the Finnish Academy of Technical Sciences.
- 2005- Board Member of the Association of European Civil Engineering Faculties (AECEF).
- 2009- Individual Member of the Nordic Road and Traffic Forum.

## Other Confidential Missions of Importance

- 1970-98 Visiting lectures at six foreign universities in Europe and Japan.
- 1979-91 Chairman and Vice-Chairman of the Board of Directors of Siltatekniikka Oy, Consulting Engineers, Finland.
- 1987 Chairman of the Jury of Teknorama Girder Construction Competition arrended by the Finnish Science Center Foundation.
- 1987 Chairman of the Evaluation Group of the Research Programme of the State Institute for Technical Research (VTT) concerning Computer Aided Desing and Production in Civil Engineering.
- 1988- Session Chairman of several international conferences in Europe, Asia and Canada.
- 1988- Member of the Jury of several bridge design competitions in Finland.
- 1991 Finnish Delegate in the International Court of Justice in the Haag, the Netherlands.
- 1991-2000 Correspondent of the Structural Engineering International (SEI).
- 1995- Scientific Committee and Honour Chair Member of several international conferences in Europe, Asia and America.
- 2003-2004 Expert Committee Member for Professorship at EPFL, Lausanne, Switzerland.
- 2005 International Member of the Peer Review Group of Civil Engineering Education and Research of University College Cork, Ireland.
- 2005-2007 Technical Advisory Group Member of the 5th International Conference on Current and Future Trends in Bridge Design, Construction and Maintenance, Beijing, China, 17-18 September 2007.
- 2005-2008 Coordinator of the Nordic (Finland, Norway, Sweden) ETSI I and II Projects, resp..
- 2011-2012 Chair of the Nordic (Denmark, Finland, Norway, Sweden) ETSI III Project Aesthetics Group.

## Books

Paavola, H., Loikkanen, P. & **Jutila, A.** Principles of Bridge Engineering (in Finnish). Espoo 1979 (2. ed. 1984), Otakustantamo. 204 p. (2. ed. 206 p.)

**Jutila, A.** The Effect of Bracing on the Behaviour of Double Girder Slab Bridges. Helsinki 1985. Acta Polytechnica Scandinavica, Civil Engineering and Building Construction Series No. 84. 145 p.

NSCC 2001 Proceedings. Edited by P. Mäkeläinen, J. Kesti, **A. Jutila** & O. Kaitila. 9th Nordic Steel Construction Conference. Helsinki, Finland 18-20 June 2001. 906 p.

History of Finnish Bridges. Keuruu 2004. 525 p. Author of several chapters and Chair of the Editorial Board.

ETSI Project (Stage I) Bridge Life Cycle Optimisation. Editors: **A. Jutila** & H. Sundquist. TKK.SRT-37. Espoo 2007. 165 p.

### **Papers, Lectures and Presentations in Domestic and International Referee and Non-referee Journals and other Media**

Altogether about 187

### **Awards, Honours and Distinctions** (the most important ones only)

Award given by Helsinki University of Technology for an **excellent diploma work**, April 1966.

Award given by the **Government of Switzerland** for one year further studies at Swiss Federal Institute of Technology (ETH) in Zurich, July 1966.

Award given by the **British Council** for a two weeks' study tour in Britain in 1973.

**Olterman** (1989 April -1995 Oct.) and **Honorary Member** of the Civil Engineering Student Club (**IK**) of Helsinki University of Technology.

**Doctor honoris causa**. Budapest University of Technology and Economics 25.11.2002. Together with three other gentlemen: Nobel Prize winner Sir Paul Nurse, NATO Secretary General Javier Solana and Prof. Dr mult. Sigmar Wittig.

Memorial Medal of the 50th Anniversary of the **University of Žilina**, Slovakia, 18.9.2003.

**Honorary Member** of the International Association for Bridge and Structural Engineering (**IABSE**), since 9 September 2010.

**Professor Arpád Tesár Diploma**, 27 Sept. 2012, Slovakia.

Medal and Certificate of the 60th anniversary of the founding of the University of Žilina awarded to **Aarne Jutila** on the 21<sup>st</sup> of November 2013 for long-term fruitful cooperation and development of relations between our faculties.

Medal for Voluntary Defence Work (Vapaaehtoisen maanpuolustustyön ansiomitalli) awarded by the Committee of Voluntary Defence. Helsinki 4 June 2015.

Honorary Senior of RIL. Helsinki 28 Oct. 2015.

### **Membership and Chairmanship in Domestic and International Scientific Conferences etc. since 2000**

Altogether about 85.

### **Design Experience (Main or Co-Designer of Bridges, all in Finland)**

Altogether about 141 bridges.

### **Participation in International Bridge Design Competitions**

2000 Member of the design group participating the Stonecutters Bridge design competition in Hong Kong where 16 groups out of more than 30 were chosen and, based on the proposal made, 5 were authorised for the final stage competition, one of them being the group under discussion.