

INTERNATIONAL FEDERATION FOR STRUCTURAL CONCRETE  
FÉDÉRATION INTERNATIONALE DU BÉTON

On the occasion of the 19<sup>th</sup> *fib* Plenary Session in Krakow  
the General Assembly conferred the status of

HONORARY LIFE MEMBER

UPON

MILAN CHANDOGA

This honour is given in recognition of his significant  
personal contributions to the work of the *fib*

*Tor Ole Olsen*  
PRESIDENT OF THE *fib*

27 MAY 2019  
KRAKOW, POLAND

A Bridge between Research and Practice  
International Federation for Structural Concrete



# *2019 fib Honorary Membership*

Presented by: *fib* President, Tor Ole Olsen

Date: 27 May 2019

*fib* 2019 Symposium - Concrete: Innovations in materials, design and structures



# 2019 *fib* Honorary Life Member



Milan Chandoga



# Education overview

- 1972 Civil Ing. Specialisation for Concrete Construction of Bridges. Civil Engineering Faculty, Slovak Technical University, Bratislava (CEF STU, Bratislava)
- 1977 PhD. CEF STU, Bratislava. Topic of the dissertation "Optimising of tension in Cable Stayed Bridges"
- 1985 Assoc. Prof. title defence at CEF STU, Bratislava
- 1986 Qualification certificate for training and testing of prestressing personnel, UVS Slovak republic



# Career overview

1972 – 1975	Doctoral degree study, Department of Concrete construction and Bridges, CEF STU, Bratislava
1975 – 1985	Lecturer, Department of Concrete Construction and Bridges, CEF STU, Bratislava
1980 – 1981	6-month scholarship research stay at the University of Sheffield, UK
1985 – 2012	Assoc. Prof. Department of Concrete construction and Bridges, CEF STU, Bratislava
1985 – 1989	Vice-dean for research, CEF STU, Bratislava
1990 – 1994	Founder and first Vice-President of the Slovak Union of Civil Engineers
1990 – Present	Founder and director of PROJSTAR-PK, Ltd.
1993 – 2002	Editor-in-chief , Civil Engineering Journal <i>Inžinierske Stavby</i>
1993 – Present	Founder and member of Slovak National Committee <i>fib</i> (SNK <i>fib</i> )
2000 – 2018	Member of TG9- C5 <i>fib</i>
2004 – Present	President of Slovak National Committee <i>fib</i>
2009 – Present	Referee of - Slovak National Accreditation Service - SNAS



# Main Projects (1985-1992)

1985 - 1991 Lafranconi Bridge  
over the river Danube, Bratislava



1989 - 1992 Development of compact anchor system  
PROJSTAR CH-1, CH-2 for technology Monostrand

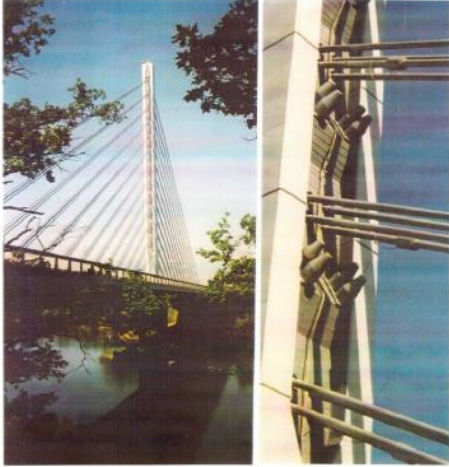


Major contributions:  
Development of  
Monostrands. Design and  
Fatigue tests of ET in  
deviators



# Main Projects (1985-2014)

1985 - 1990 Cable stayed bridge in Tabor CZ. The first application of EM sensors.

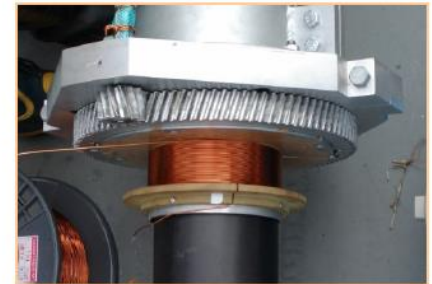


2000- 2014 Development of EM monitoring system and measurement of stay cable forces

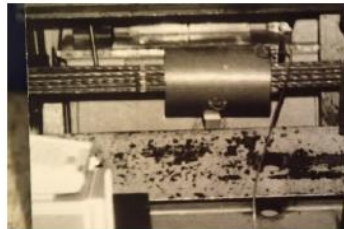


The second Yangtze River Bridge Nanjing, China

Cooperation with UIC- Chicago on research project **EM SENSOR** sponsored by NSF USA 1998-2002



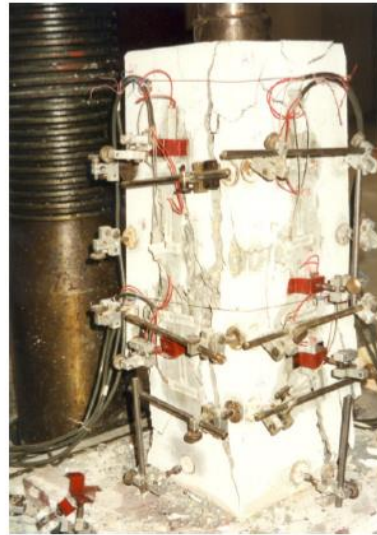
Calibration of EM



# Main Projects (1992-1999)

1992-1995 Development and start-up of the production of the prestressing system PROJSTAR-CH

1999 Development of technology for strengthening of cracked cylindrical structures



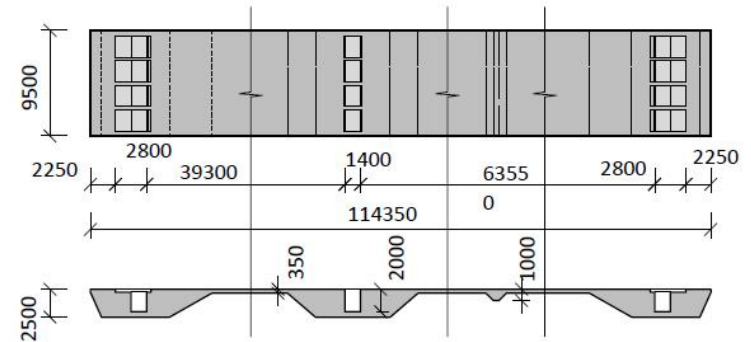


# Main Projects (2002-2018)

2017 Collaboration on development of electrically-isolated tendons PROJSTAR-CH/EI



2002 – 2018 Design of concrete beds and technological project of universal lines for prestressed prefabricated production (5 lines)

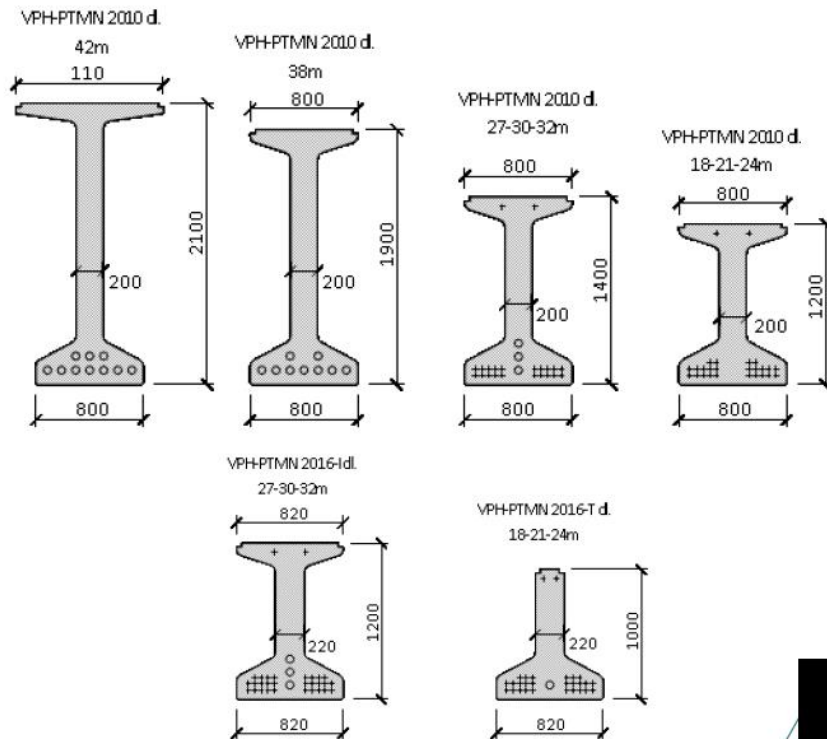


# Main Projects (2010-2018)

Design of Steel stand elements  
elaboration of technological regulations for  
operation and production



2010 -2018 development and design of  
bridge beams (4 catalogs)



# Main Projects (2010-2018)

Bridge beam certification – static load tests

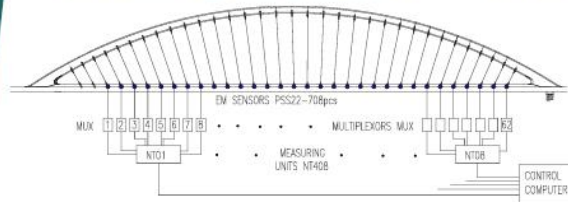


Composite bridge segment load test -  
Extradosed Viaduct Pov. Bystrica



# Main Projects: Monitoring & Sensors

Monitoring of Forces on Cable-stays of Apollo Bridge, Bratislava



Development of EM Sensor 37PSS20 and Monitoring of Forces in Cable Stays



Extradosed Viaduct at Považská Bystrica

Development of Sensor PMJS13 Projstar Multistrand Jack Sensor -13 strands



Monitoring of forces on corroded strands during prestressing

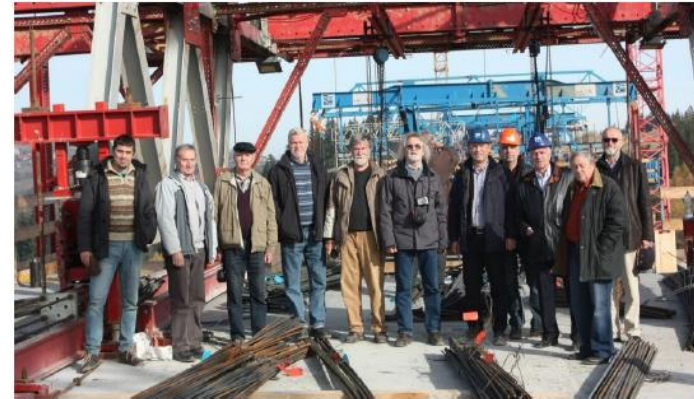


# fib Membership & Involvement

Concrete in Slovakia 2014-2018  
Conference SNK *fib*



Meeting of SNK *fib* – excursion in situ



1989 – 1993  
1993 – Present  
2000 – 2018  
2004 – Present

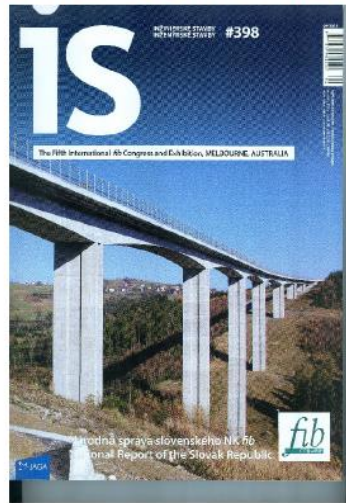
ČSK FIP Deputy of CEF STU Bratislava  
Founder and member of Slovak  
National Committee *fib* (SNK FIP/*fib*)  
Member of TG9 – C5 *fib*  
President of Slovak National  
Committee *fib* – SNK *fib*



TG9 meeting  
in Quebec



# fib Publications & Awards



More than 170 publication, including congress symposia proceedings and Slovak National Reports.

SNK *fib* published 7 National reports  
5 NR with Milan Chandoga as responsible editor



**2018 Medal in honor of 25 anniversary of SNK *fib***

**2008 Medal of SNK *fib* for lifetime contribution to concrete development**

**2006 -2010 The best concrete construction of Slovakia**  
Award of SNK *fib* for the development of the multilane EM sensor PMS37 and for monitoring the forces on the extradosed viaduct in Považská Bystrica

**1990-94 and 1994-98**

**The best concrete construction of Slovakia**  
Awards of SNK FIP for projects and realisation of the first additionally prestressed parking and foundation slabs with Monostrand reinforcement in Slovakia

# Family & leisure



Daughter  
Božena Brtko Chandogová MA (Master of Art- ceramics)  
Faculty of Design, The National College of Art and Design, Dublin, Ireland



Son Milan  
Australian college of sport and fitness, Sydney (trainer fitness)



Wife Darina Civil Ing.  
Grandchildren Biba, Bela, Ma'to

# Family & leisure



Hiking  
and  
cottage  
construction  
in the North  
Slovakia

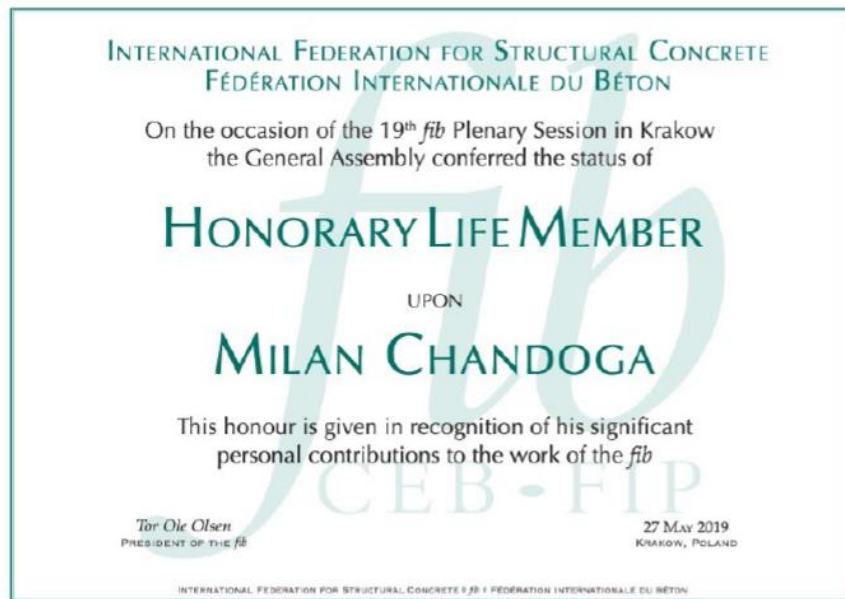


Tourist





# 2019 *fib* Honorary Life Member



Milan Chandoga



Concrete, Design and Structures  
May 27-29, 2019, Kraków, Poland



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