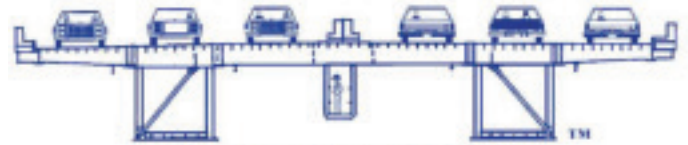


# 3<sup>RD</sup> ORTHOTROPIC BRIDGE CONFERENCE

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San Mateo-Hayward Bridge

Hayward/San Mateo OCEA 1968

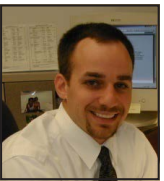
[http://www.asce.org/opal/past\\_ocea.cfm#1968](http://www.asce.org/opal/past_ocea.cfm#1968)

**Tuesday Evening — June 25<sup>th</sup> — 7:30 - 9:30 PM**  
**Moderator: Dr. Sougata Roy, Principal Research Scientist,**  
**ATLSS Engineering Research Center, Lehigh University**



**Sougata Roy, Ph.D.** — Dr. Sougata Roy is a Principal Research Scientist with the ATLSS Engineering Research Center, at Lehigh University. He is an expert in Structural Engineering with specialization in Fatigue and Fracture of Steel Structures. He has led funded research on fatigue of steel bridges and highway structures, including enhancement of fatigue resistance and development of cost-effective connection details, which has led to several publications and development of AASHTO Specifications. Dr. Roy is leading significant analytical and experimental research on steel orthotropic bridge decks for developing cost-effective fatigue resistant connections and robust design standards. In addition to more than 14 years' experience in the academia, Sougata worked 11 years in structural engineering consultancy, designing and managing large bridge projects.

Discussion on concepts for standardizing orthotropic decks. The goals are: understanding the needs for standardizing orthotropic bridge decks; recognizing the currently available information and their limitations; appreciating the challenges of developing standard orthotropic decks; strategies and priorities for developing orthotropic deck standards; and outlining the concepts of standard decks.



#### **Possible USA Standards**

Brian M. Kozy, Ph.D., P.E.



#### **Structural Deck Panels**

**Eric Lévesque, Eng., M.Sc. Engineering Manager, New Products** — Eric is a graduate of Laval University, and joined Canam Group in 1995 as a design engineer. He is a member of l'Ordre des ingénieurs du Québec, as well as professional engineering associations in Ontario and New Brunswick. He serves on the Transportation Association of Canada (TAC) Structures Standing Subcommittee and is a member of the Canadian Standards Association CSA-S6 Section 10 Steel Structures, the Canadian Standards Association CSA-S6 Section 13 Moveable Bridge Subcommittee, as well as an associate member of the CSA-S16 Committee.



#### **Hot Rolled Ribs**

**Tom Ho, Ph.D., PE, SE** — Dr. Ho is Vice President, Bridge Line of Business, **TY Lin International, SF**. He has 28 years of experience managing award-winning structural design projects, and more than 17 years of experience leading seismic retrofit projects for both buildings and bridges. He is responsible for project management, supervising the preparation of design calculations and drawings, and full construction services for bridges, transit, and special structures. His most notable projects are: San Francisco / Oakland Bay Bridge in California, Caiyuanba Bridge in China, Shibampo Bridge in China, Dagu Bridge in China, Hangzhou Bay Bridge in China, and the San Francisco International Airport, Inbound/Outbound Ramps in California.



#### **High Speed Rail Details Used in Belgium**

**Prof. dr. ir. Philippe Van Bogaert**



#### **Russian Open or Flat Plate Rib System**

**Mr. Vadim Seliverstov**