



University at Buffalo

The State University of New York

Presented by the Department of Civil, Structural and Environmental Engineering
UB Bridge Engineering Program – Distinguished Speaker Series

Bridge Security

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Chair, AASHTO Technical Committee on Bridge Security (T-1)*

The terrorist attacks on September 11, 2001 have resulted in new attention given by federal, state and local officials to the security of the nation's bridges and tunnels against malicious attacks. Through research and planning, strategies have been developed to identify vulnerabilities, effectively mitigate such risks, and respond to an attack should one occur. Research on the effect of explosions on bridges and other structures has led to new design and evaluation criteria and methods to help structural engineers design and protect bridges from an attack using explosives. This presentation will provide an overview of the strategies being used by the bridge engineering industry to address bridge security, including risk assessment, mitigation strategies and response planning. A brief introduction to analysis and design concepts for blast loadings on bridges will also be presented.

Biographical Sketch:



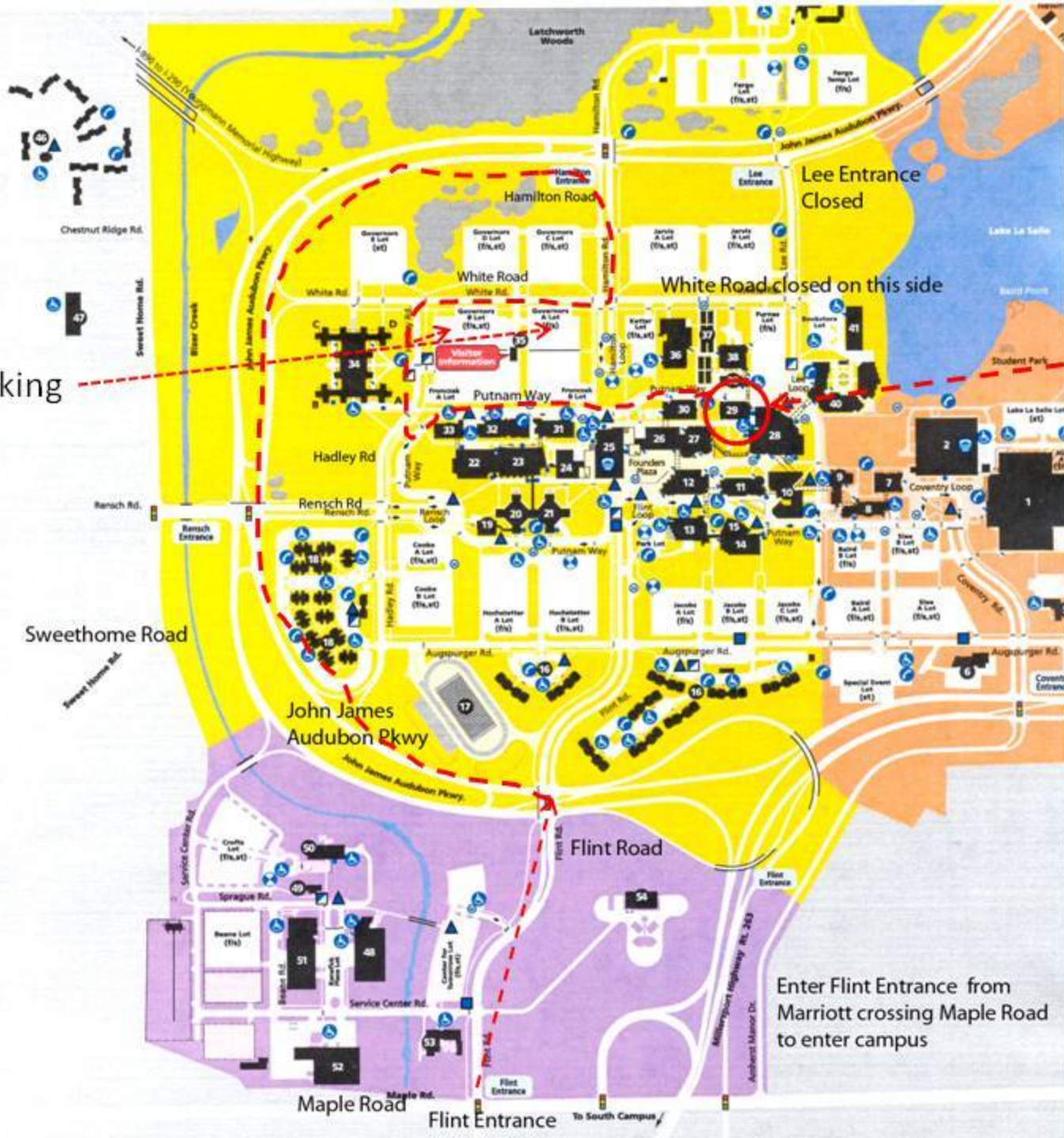
George Christian is the Deputy Chief Engineer (Structures) and State Bridge Engineer for the New York State Department of Transportation in Albany, N.Y. Mr. Christian currently directs the Department's Office of Structures Division which oversees all programs involving development of the Department's bridge capital design and construction program as well as all bridge management, evaluation and safety assurance activities for the State's bridge network. Prior to assuming his present position in 2002, he directed the Division's Structure Design Bureau, responsible for producing designs and contract plans for bridge projects having a cumulative construction value of \$100 million annually; and had previously directed the Division's Bridge Programming and Evaluation Services Bureau where he was responsible for implementation and operations of

the Department's bridge inspection, inventory, load rating, bridge safety assurance programs. Mr. Christian is a graduate of Clarkson University and holds a Masters Degree in Civil Engineering from Rensselaer Polytechnic Institute. He is a licensed professional engineer in New York and serves on the AASHTO Subcommittee on Bridges and Structures as well as AASHTO technical committees for Bridge Management, Evaluation and Rehabilitation, Bridge Security, Structural Steel Design, and Computers.

Date: *Monday, November 16, 2009*
Time: *5:00 – 6:30 p.m.*
Place: *Bell Hall Room 340C*

To register: (716) 645-3307
1.5 professional development hours available (\$75)

Parking



Bell Hall
Room 340C

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