

Jointly Organized by Department of Computer Science & Department of Mathematics



GENE GOLUB MEMORIAL DAY 2017

2 - 6pm, FEBRUARY 25 (Saturday)

WLB 204, 2/F Lam Woo International Conference Centre, Shaw Campus,
Hong Kong Baptist University

Biography - Prof. Gene H. Golub

Prof. Gene H. Golub (February 29, 1932 - November 16, 2007), former Professor of Computer Science at Stanford University, was a leading pioneer in the field of numerical analysis, creating algorithms and software that allowed researchers to run large engineering and science calculations effectively on computers. In 1964, together with William Kahan and Christian Reinsch, he created an algorithm to compute the Singular Value Decomposition, or SVD, which will forever be an essential computational tool. Prof. Gene Golub received an honorary doctorate from Hong Kong Baptist University in 2002.

PROGRAMME

🕒 14:00

Franklin Luk, Hong Kong Baptist University, Hong Kong
Introduction

🕒 14:30 - 15:30



Keynote Speaker : Dianne O'Leary, University of Maryland, USA
Approximating Matrices: One Picture and One Thousand Words

Abstract : Matrix approximation is a well-studied area of mathematics, but despite the attention it has received, many open questions remain involving existence, uniqueness, extensions to tensors, and efficient computation. The focus in this talk is on matrix approximation problems constrained in rank, sparsity, and nonnegativity, including a novel approach to uncertainty in matrix entries. Applications to deblurring pictures (images), detecting chemicals, and classifying newswire articles will be discussed.

🕒 15:30 - 16:00

Michael Ng, Hong Kong Baptist University, Hong Kong
Multidimensional PageRank: Algorithms and Applications

🕒 16:00 - 16:30

Coffee break

🕒 16:30 - 17:00

Felix Kwok, Hong Kong Baptist University, Hong Kong
A Parareal Algorithm for Optimal Control Problems

🕒 17:00 - 17:30

Tony Chan, University of Science and Technology, Hong Kong
Reminiscence of Gene Golub

🕒 17:30 - 18:00

Walter Gander, ETH Zurich, Switzerland
Homage to Gene

ALL INTERESTED ARE WELCOME



ENQUIRY

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