$\left[ \begin{smallmatrix} \mathcal{I} & \mathcal{L} \\ \mathcal{A} & \mathcal{S} \end{smallmatrix} \right]$ 

## IMAGE

 $\begin{bmatrix} \mathcal{I} & \mathcal{L} \\ \mathcal{A} & \mathcal{S} \end{bmatrix}$ 

Serving the International Linear Algebra Community Issue Number 61, pp. 1–43, Fall 2018

 $\textit{Editor-in-Chief:} \ \text{Louis Deaett}, \ \texttt{louis.deaett@quinnipiac.edu}$ 

Contributing Editors: Sebastian Cioabă, Carlos Fonseca, Colin Garnett, Jillian McLeod, Rajesh Pereira, David Strong, Naomi Shaked-Monderer, and Amy Wehe. Advisory Editor: Kevin N. Vander Meulen

Past Editors-in-Chief: Robert C. Thompson (1988); Jane M. Day & Robert C. Thompson (1989); Steven J. Leon & Robert C. Thompson (1989–1993); Steven J. Leon (1993–1994); Steven J. Leon & George P.H. Styan (1994–1997); George P.H. Styan (1997–2000); George P.H. Styan & Hans J. Werner (2000–2003); Bryan Shader & Hans J. Werner (2003–2006); Jane M. Day & Hans J. Werner (2006–2008); Jane M. Day (2008–2011); Kevin N. Vander Meulen (2012–2017).

About IMAGE	2
Feature Interviews	
"Fantasy, creativity, and imagination are fundamental ingredients for research in mathematics"	
An Interview with Dario Bini, by Raf Vandebril.	3
"The field is continuously evolving in part due to emerging applications"	
An Interview with Daniel Szyld, by Froilán Dopico	6
Send News for IMAGE Issue 62	8
Feature Article	
Spectra of Simplicial Complexes, by Anna Gundert	10
Linear Algebra History	
On the origins, history and state of linear algebra in Greek universities, by Panayiotis Psarrakos and Michael Tsatsomeros	21
Linear Algebra Education	
National Pedagogical Initiatives on Linear Algebra, by Sepideh Stewart	25
Book Review	
Quantum Measurement, by Paul Busch, Pekka Lahti, Juha-Pekka Pellonpää, and Kari Ylinen,	
Reviewed by Douglas Farenick	28
ILAS News	
2018 ILAS Elections: Nominations	29
Three ILAS Members Selected as 2019 AMS Fellows	29
Reduced rates for $LAA$ and $LAMA$ for ILAS members	30
Volker Mehrmann Awarded W. T. and Idalia Reid Prize by SIAM	30
Volker Mehrmann Elected President of EMS	30
Obituary Notice	
David Lay 1941–2018	30

Page 2 of 43 Fall 2018: IMAGE 61

Conference Reports
$14^{\rm th}$ Western Canada Linear Algebra Meeting (WCLAM), USA, May 26–27, 2018
$26^{\rm th}\ {\rm International\ Workshop\ on\ Matrices\ and\ Statistics\ (IWMS-2018),\ Canada,\ June\ 5-7,\ 2018\ \dots \dots 32111111111111111111111111111111111$
Upcoming Conferences and Workshops
Special session on Innovative and Effective Ways to Teach Linear Algebra at the 2019 JMM, January 17, 201934
Special session on Combinatorial Matrix Theory at the 50 <sup>th</sup> SEICCGTC, Boca Raton, FL, USA, March 4–8, 201934 Special session on Combinatorial Matrix Theory at the 2019 AMS Spring Southeastern Sectional Meeting,
Auburn, AL, USA, March 15–17, 2019
27 <sup>th</sup> International Workshop on Matrices and Statistics (IWMS2019), China, June 6–9, 2019
Workshop on Numerical Ranges and Numerical Radii (WONRA), Japan, June 21–24, 2019
ILAS 2019: Linear Algebra Without Borders, Brazil, July 8–12, 2019
8 <sup>th</sup> International Conference on Matrix Analysis and Applications (ICMAA 2019), USA, July 15–18, 2019
9 <sup>th</sup> International Congress on Industrial and Applied Mathematics (ICIAM 2019), Spain, July 15-19, 2019
International Workshop on Operator Theory and its Applications (IWOTA 2019), Portugal, July 22–26, 201937
International Conference and PhD-Master Summer School on
"Groups and Graphs, Designs and Dynamics" (G2D2), China, August 12–25, 201937
International Conference on Matrix Analysis and its Applications (MAT-TRIAD 2019), Czech Republic, Septem-
ber 8–13, 2019
Householder Symposium XXI on Numerical Linear Algebra, Italy, June 14–19, 2020
IMAGE Problem Corner: Old Problems with Solutions
Problem 58-2: A Matrix Exponential Problem
Problem 58-4: Characteristic Polynomials of 3 by 3 Real Correlation Matrices
Problem 60-3: Distance in the Commuting Graph
IMAGE Problem Corner: New Problems
Problem 61-1: Ranks of Stacked Permutation Matrices
Problem 61-2: Circulant Matrices over a Finite Field
Problem 61-3: Square Roots of Matrix Conjugation
Problem 61-4: The Sarrus Number of a Positive Semidefinite Matrix

## About IMAGE

ISSN 1553-8991. Produced by the International Linear Algebra Society (ILAS). Two issues are published each year, on June 1 and December 1. The editors reserve the right to select and edit material submitted. All issues may be viewed at http://www.ilasic.org/IMAGE. IMAGE is typeset using LATEX. Photographs for this issue were obtained from websites referenced in articles, university department websites, or from reporters directly, unless indicated otherwise here: the book cover [p. 28] was obtained from the Springer website, and the photo of V. Mehrmann [p. 30] is from IMAGE 56.

Advertisers: Contact Amy Wehe (awehe@fitchburgstate.edu).

Subscriptions: Contact ILAS Secretary-Treasurer Leslie Hogben (hogben@aimath.org) to subscribe or send a change of address for IMAGE.

Editor-in-Chief: Louis Deaett (louis.deaett@quinnipiac.edu).

Contributing Editors: Jillian McLeod (jillian.mcleod@gmail.com), Sebastian Cioabă (cioaba@udel.edu), Colin Garnett (Colin.Garnett@bhsu.edu), Carlos Fonseca (cmdafonseca@hotmail.com), Rajesh Pereira (pereirar@uoguelph.ca), Naomi Shaked-Monderer (nomi@tx.technion.ac.il), David M. Strong (David.Strong@pepperdine.edu), and Amy Wehe (awehe@fitchburgstate.edu).

For more information about ILAS, its journals, conferences, and how to join, visit http://www.ilasic.org.