

# Vjeran Hari

Professor, Department of Mathematics,  
University of Zagreb  
PhD University of Hagen, 1986

Research interest: Numerical linear algebra, Matrix theory and algorithms, Jacobi-type algorithms.

## Recent publications:

- [1] Hari V.: Convergence to Diagonal Form of Block Jacobi-type Methods. *Numerische Mathematik* 129 (3) (2015) 449-481
- [2] Matejaš J., Hari V.: On high relative accuracy of the Kogbetliantz method. *Linear Algebra and Its Applications* 464 (2015) 100-129
- [3] Hari V., Singer S., Singer S.: Full Block J-Jacobi Method for Hermitian Matrices. *Linear algebra and its applications* 444 (2014) 1-27
- [4] Hari V., Singer S., Singer S.: Block-oriented J-Jacobi Methods for Hermitian Matrices. *Linear algebra and its applications* 433 (8/10) (2010) 1491-1512
- [5] Matejaš J., Hari V.: Accuracy of the Kogbetliantz Method for Scaled Diagonally Dominant Triangular Matrices. *Applied mathematics and computation* 217 (8) (2010) 3726-3746.

## Selected publications:

- [1] Hari, V.: Accelerating the SVD Block-Jacobi Method, *Computing* 75 (2005) 27-53
- [2] Hari V., Drmac Z.: On Scaled Almost Diagonal Hermitian Matrix Pairs, *SIAM J. Matrix Anal. Appl.* 18 (4) (1997) 1000-1012
- [3] Hari V.: On Sharp Quadratic Convergence Bounds for the Serial Jacobi Methods, *Numer. Math.* 60 (1991) 375—406
- [4] Hari V.: On Pairs of Almost Diagonal Matrices, *Linear Algebra and Its Appl.* 148 (1991) 193—223
- [5] Veselić K., Hari V.: A Note on the One-sided Jacobi Algorithm, *Numer.Math.* 56 (1989) 627--633.