

Foreword

These Proceedings contain papers that were presented at the Fifty-First Annual Allerton Conference on Communication, Control, and Computing which was held at Allerton House, Monticello, Illinois, on October 2-4, 2013. As in past years, the Conference was sponsored by the Coordinated Science Laboratory and the Department of Electrical and Computer Engineering of the University of Illinois at Urbana-Champaign.

One hundred thirty-four invited papers and one hundred fifty-one contributed papers were presented at the Conference in fifty-one sessions. We thank all the authors and particularly the speakers for contributing to the success of the Conference. We are also grateful to our colleagues at the University of Illinois at Urbana-Champaign: Y. Baryshnikov, C. Beck, M. A. Belabbas, A. Domínguez-García, I. Duursma, B. Godfrey, B. Hajek, N. Kiyavash, C. Langbort, S. Lazebnik, Y. Lu, P. Mehta, A. Nedich, M. Prabhakaran, M. Raginsky, R. Srikant, V. Veeravalli, P. Viswanath, P. Voulgaris, Q. Wang, S. Williams, D. Work and Y. Wu for organizing many of the invited sessions, chairing sessions, and helping in many other ways in the smooth running of the Conference.

Additionally a number of these invited sessions were co-organized with colleagues from other institutions: M. Andrews of Alcatel-Lucent Bell Labs, S. Bruck of California Institute of Technology, A. Dimakis of University of Texas, Austin, L. Dolecek of University of California, Los Angeles, J. Duchi of University of California, Berkeley, F. Farnoud of California Institute of Technology, T. Javidi of University of California, San Diego, S. Sanghavi of University of Texas, Austin, S. Shakkottai of University of Texas, Austin and E. Yaakobi of California Institute of Technology. We are especially grateful to each of them for their efforts on behalf of the Conference.

The plenary speaker at the Conference was Professor Kannan Ramchandran of the University of California, Berkeley, who gave an illuminating lecture titled “*Codes for the Storage Cloud*” We are most grateful to him for his excellent presentation.

We thank Ms. Brenda Abbott and her staff at Allerton House for cheerfully accommodating our Conference and their constant attention to our needs. It is also a great pleasure to thank all the staff members of the Coordinated Science Laboratory who so ably handled all the practical aspects of organizing the Conference. In particular, we wish to mention Ms. Karen Cromwell and Ms. Jayne Cook who handled all the business affairs, Mr. Mark Hart who provided computer support, and Ms. Chris Holt who handled the shipping of these Proceedings. Most of all, however, we would like to thank our Conference Secretaries, Ms. Angie Ellis, Ms. Jana Lenz, Ms. Denise Lewis, and Ms. Peggy Wells, who worked year-round in handling announcements, calls for papers, program preparation, Allerton House arrangements, registration, and the final editing of these Proceedings. The lion's share of the credit for the success of the Conference belongs to these individuals and it gives us the greatest pleasure to acknowledge this here.

We close this foreword with the countdown for the reopening of the time capsule buried Tuesday, September 30, 1997, on the occasion of the Thirty-Fifth Annual Allerton Conference. This leaves 19 years remaining until its reopening. The capsule can be reached by taking 35 paces North from the Allerton House, along a line extending from the eastern face of the house. The GPS coordinates (WGS84) of the time capsule are 40 degrees 00 minutes 15.39750 seconds North latitude, and 88 degrees 38 minutes 41.74234 seconds West longitude.

Sincere thanks go to everybody who participated in, contributed to, and made the Conference a continued success.

Tamer Başar
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November 22, 2013