

# The Mathematical Sciences Role In Homeland Security: Proceedings Of A Workshop

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COVER ILLUSTRATIONS: On the left is "circuit earth," a conceptual image of the earth as being as interconnected as a complex semiconductor circuit. While the worldwide interconnectivity is indisputable, scientists and engineers are a long way from being able to map, characterize, and analyze this complex network. That task will require many new developments in the mathematical sciences. The image on the right is of a human iris, the patterns of which are sometimes used in biometric security systems. Realization of the full potential of such biometric technologies also depends on future mathematical developments. The "circuit earth" illustration is courtesy of PhotoDisc, Inc., while the iris image is courtesy of John Daugman, University of Cambridge. Both images are reprinted with permission.

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