In the 21st century, cyberspace has emerged as the foundation for a new way of life and a new approach to warfighting. We are in the early stages of conquering this man-made space, just as humanity has conquered the sea, air, and outer-space domains in previous centuries. This issue of the Johns Hopkins APL Technical Digest describes the use of formal methods, software analysis, new languages, new hardware, and new protocols to derive the principles and define the techniques of trustworthy computing that will allow the safe use of cyberspace.