

April 10, 2018

Keio University

## Launch of the Cyber Civilization Research Center

### Invitation of Dr. David Farber as Co-Director

Recent technological advancements in the field of networked intelligence, among other pioneering technologies, are likely to result in a broad enough social impact to be called an emergence of new cyber civilizations. With this understanding and a collective determination to encourage development that is beneficial for all, Keio University is launching the “Cyber Civilization Research Center (CCRC)” within its Global Research Institute (KGRI: Keigo Komamura, Director), an official institute established by the university.

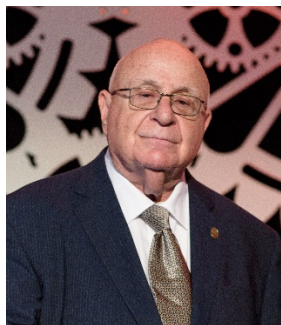
To make this effort significant globally, Keio University has invited Dr. David Farber, a distinguished leader in the field, who has held esteemed positions at Carnegie-Mellon University and the University of Pennsylvania during his career, to serve as a Co-Director at the center. He will join Dr. Jun Murai, Dean of the Keio University Graduate School of Media and Governance, as CCRC Co-Directors, to lead a university-wide project to accomplish the center’s goals. Dr. Jiro Kokuryo, a Vice-President of Keio University with research background in this field, has been appointed as CCRC Chief Administrator.

Keio University Cyber Civilization Research Center

<http://www.crc.keio.ac.jp>

Established on April 1, 2018

Co-Directors



Dr. David Farber



Dr. Jun Murai, Dean of the Graduate  
School of Media and Governance

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## Appendix 1

### Keio University Cyber Civilization Research Center David Farber and Jun Murai, Co-Directors

#### Mission statement

Networked intelligence, unbound by physical limits and enhanced by key technological advancements, urges humanity to reconsider foundational concepts that have defined civilizations for centuries. It far transcends the status of merely a useful tool, and is instead a technology capable of affecting history, governance, labor, culture, and even the very nature of humanity. We believe this ongoing digitization process is large enough in scope that arguably we are entering a new era in which new forms of civilizations emerge and reshape the reality around them. In order to contend with these changes and support humanity in its next evolutionary step, it is imperative that we rethink existing governance, economic, societal, and technological planning.

Keio University has long been the bold leader of the successful integration between rich Asian tradition and modern technology. Keio's mission is to pioneer the development of emerging technologies, while making sure to be responsible for navigating their beneficial adoption by society. The university is located in a developed democracy in Northeast Asia that is technologically robust, open, diverse, and free. Keio has also introduced the Internet, among other digital technologies, to Asia, and played several key roles in ensuring it became embedded in society. As such, Keio University has assumed the responsibility to usher this emerging civilization, affected by these changes, into a new phase of prosperity and sustainability.

To fulfill this mandate, the Keio University Cyber Civilization Research Center will house a cross-disciplinary network of stakeholders in Keio's ecosystem. The network will work together to explore the risks and benefits posed by technological advancements, analyze their expected societal impact, and devise tools and methods to support effective future planning. We will also actively participate in the development and management of technologies that foster trust among diverse user communities and reflect our social awareness. To ensure the delivery of equal, inclusive, and meaningful contributions, the Center will engage local and global actors in collaborative discussions and exchanges to support the development of this pivotal and pioneering field of research.

## Appendix 2

### Dr. David J. Farber

David Farber was the Distinguished Career Professor of Computer Science and Public Policy at the School of Computer Science (SCS) at Carnegie Mellon University with secondary appointments at the Heinz School and EPP prior to his retirement. He is now the Adjunct Professor of Internet Studies in SCS and Adjunct Professor in EPP. In addition he is a Visiting Professor in the Computer Science Department at Stevens Institute of Technology.

In 2003, he retired from the University of Pennsylvania where he holds the Alfred Fidler Moore Emeritus Professor of Telecommunication Systems and held appointments in the Engineering School and the Wharton School. His background includes roles at Bell Labs, the Rand Corporation, Xerox Data Systems, University of California at Irvine, and the University of Delaware.

From 2000 to 2001, he served as Chief Technologist for the Federal Communications Commission. He is a Fellow of the Association for Computing Machinery and a Fellow of the Institute of Electrical and Electronics Engineers. He serves on the Board of Trustees of the Electronic Frontier Foundation, EPIC (Electronic Privacy Information Center), ISC (Internet Systems Consortium) and the Stevens Institute of Technology.

Prior to his appointment to the FCC, he served on the U.S. Presidential Advisory Committee of Information Technology.

He was awarded the SIGCOMM Award for life-long contributions to communications and the City of Philadelphia's John Scott award for Contributions to Humanity as well as an Honorary Doctorate from Stevens Institute of Technology. He has also been recognized as a Pioneer of the Internet Society Hall of Fame.