

## Program in Science, Technology, and Society

The [Program in Science, Technology, and Society](#) (STS) helps MIT offer an education that teaches scientists and engineers to engage the social and cultural dimensions of their work at the highest levels. This education sets MIT apart from the numerous engineering schools worldwide that turn out technical specialists. The STS program continues to distinguish itself as the leading department (and graduate program) of its kind in the United States.

### Educational Activities

#### Undergraduate

In 2012–2013, 92 students from 16 majors selected STS as their concentration. The largest representation came from Courses 2, 6, and 20. Five undergraduate students worked on minors in STS, four of whom graduated in academic year 2013. STS had two undergraduate majors through the joint bachelor of science in humanities and science (Course 21S) program, and associate professor Clapperton Chakanetsa Mavhunga served as these students' primary academic advisor in his role as STS undergraduate officer. Roshan Ardhasseril completed her thesis, "Nuclear State: Pakistan, Domestic and International," this spring, with professor Theodore Postol serving as her thesis advisor. Sheila Xu '14 is spending the 2013 summer semester in Europe working on her project, "An Interpretivistic Approach to the Deaf Economy," for which she received International Research Opportunities funding and a Kelly-Douglas Traveling Fellowship. Xu was also selected as a Burchard scholar and won an MIT Martin Luther King Jr. Inspired Art and Performance Contest award for a fictional literary piece about the effects of medical technology on Deaf culture.

Six students worked with us on Undergraduate Research Opportunity Program (UROP) projects. Leo Marx career development associate professor Hanna Rose Shell supervised a student who worked with her on "Secondhand Clothing in Haiti: A Documentary Film Project." Professor John Durant supervised five projects including "Visual Perception and Neuroscience of Art," "MIT Museum Robotic Arm Sculptor," and "Holography Workshop Development."

#### Subjects and Enrollment

STS offered 28 undergraduate subjects and 23 graduate subjects in AY2013, including four undergraduate Humanities, Arts, and Social Sciences (HASS) Distribution (HASS-D)/Communication Intensive HASS (CI-H) subjects and three CI-H subjects. We continue to emphasize collaboration with other areas of MIT and offered 21 subjects jointly with the following academic units: Aeronautics and Astronautics; Anthropology; Electrical Engineering and Computer Science; Engineering Systems Division; Harvard-MIT Division of Health Sciences and Technology; History; Linguistics and Philosophy; Physics; Political Science; and Women's and Gender Studies.

Our two largest subjects, STS.010 Neuroscience and Society and STS.042J/8.225J Einstein, Oppenheimer, Feynman: Physics in the 20th Century, each had 95 registered students.

The next largest classes, STS.003 The Rise of Modern Science and STS.006J/24.06J Bioethics, each had more than 75 students enrolled. The majority of our remaining subjects were smaller, seminar-style classes with enrollments ranging from three to 23 students.

Undergraduate enrollment was up this year to 649, which included majors from 27 different MIT departments as well as Harvard University and Wellesley College students. The three majors with the largest representation were Electrical Engineering and Computer Science (Course 6), Physics (Course 8), and Mechanical Engineering (Course 2). One hundred seventy-eight freshmen were enrolled in STS classes. Graduate enrollment also increased to a total of 288 students from 24 different programs, including Aeronautics and Astronautics (Course 16), Management (Course 15), Media Arts and Sciences, Architecture (Course 4), Mechanical Engineering (Course 2), and Harvard University.

### **Doctoral Program**

The doctoral program in History, Anthropology, and Science, Technology, and Society (HASTS) is run by STS in collaboration with the History faculty and the Anthropology program. The program is administered by STS, which awards the degrees. Professor Harriet Ritvo served her second year as director of graduate studies in 2012–2013. Professor Ritvo ran the admissions process, chaired the HASTS steering committee, served as academic advisor to the first-year cohort, and worked closely with students to encourage them to meet program deadlines in a timely manner.

In its second year, the HASTS Program Seminar continued to be a success. The Seminar, which meets weekly throughout the academic year, offers graduate students, visiting students, and postdocs a forum for honing a range of professionally useful skills. Most meetings are devoted to the discussion of pre-circulated papers and practice presentations, but a few of this year's meetings also addressed such practical issues as preparing for the job market, getting articles published, preparing dissertation proposals, embarking on research, and preparing for general exams.

The HASTS program received 153 applications for admission by our January 1, 2013, deadline. We offered admission to 5.9% of the program applicants, and we are looking forward to enrolling six new students in the fall. The incoming group holds undergraduate degrees in aeronautics and astronautics, classics, history, musical management, neuroscience, and writing, and four of the students have completed master's degrees.

In AY2013, there were 32 students in the program. Two students who will complete their dissertations in summer 2013 received prestigious postgraduate fellowships for the upcoming year from the Harvard University Society of Fellows and the Columbia University Society of Fellows in the Humanities. In addition, three of our recent alumni received tenure-track faculty positions over the last year at King's College London, the University of Pennsylvania, and the University of Chicago.

## Projects, Grants, and Initiatives

During fiscal year 2013, grants were established with the Noyce, Albert P. Sloan, and MacArthur foundations in the amount of \$50,000 each to support a two-day workshop, “The Evolving Culture of Science Engagement,” that will be held in September 2013. The workshop is designed to foster genuine, semi-structured, creative exchanges among the participants. Germeshausen professor of the history of science David Kaiser will serve as the principal investigator, with Professor Durant and professor Tom Levenson as co-investigators.

A National Science Foundation (NSF) postdoctoral fellowship grant under the direction of Professor Kaiser was established for the period September 2011 through August 2013. Dr. Andrew Friedman is the named fellow, and his project is titled “Dark Energy, Fine-Tuning, and the Multiverse: Testing Theories in Modern Cosmology.” Due to a delay in beginning the fellowship, Dr. Friedman will request a no-cost extension to continue his project through August 31, 2014.

David Kaiser, David Jones, and Vincent Lépinay’s two-year NSF research grant for their project “Predictive Modeling of the Emergence and Development of Scientific Fields” ended as of June 30, 2013.

The postdoctoral fellowship grant under the direction of Professor Kaiser, designed to foster research on the history of modern physical sciences by a recent PhD graduate, will complete its second year of funding for the named fellow, Dr. Roberto Lalli, as of June 30, 2013.

Professor Kaiser serves as the faculty supervisor for three NSF dissertation research grants awarded to doctoral students David Singerman, Alma Steingart, and Ben Wilson. Steingart’s project, “Making Mathematics Manifest: Material and Virtual Modes in Mathematical Research and Pedagogy,” concluded as of February 2013. Wilson’s project, “Cold War Dreams: Nuclear Arms Control in American Science, Politics, and Culture,” and Singerman’s project, “An Empire of Purity: Making the Modern Sugar Economy, 1875–1925,” will continue through 2014.

During FY2013 two Marie Curie Outgoing International Fellowships were administered in the Program in Science, Technology, and Society. Andrew W. Mellon professor of humanities Michael Fischer served as the principal investigator for the Katholieke Universiteit Leuven international fellowship grant awarded to Dr. Katrien Pype for her research project titled “(Dis)Connected Elders? Interfaces of Cosmologies, Subjectivities, and ICTS in the Lifeworlds of Kinshasa’s Old Aged.” Dr. Pype’s fellowship ended as of February 2013.

Professor Durant serves as the principal investigator for the other Marie Curie fellowship, awarded by the University of Leicester to Dr. Marco Mason for his research project titled “Digital Media for Heritage: Refocusing Design from the Technology to the Visitor Experience.”

## Ongoing Program Activities

Ongoing STS activities bring a wide variety of distinguished scholars to the MIT campus on a regular basis. The longest running of these activities is the STS Colloquium series. Each colloquium focuses on a substantial, pre-circulated paper and features both the paper's author and a separate commentator.

In AY2013, STS held six colloquia, bringing 12 distinguished speakers to campus. Speakers hailed from the Babbage Institute at the University of Minnesota, Harvard University, the University of Louisville, the University of Washington, Northeastern University, the University of British Columbia, Indiana University, and the University of California, Santa Barbara. They spoke on a breadth of topics ranging from "Digital State: Industrial Districts and the Emergence of Minnesota's High Tech Economy" to more global themes such as "Socializing Knowledge: The Choose and Pick in Public Management of Science in Africa."

In addition to our colloquia, STS presented a new seminar series on nuclear arms control with three installments featuring Daryl Kimball, executive director of the Arms Control Association; Gary Sick of Columbia University; George Perkovich of the Carnegie Endowment for International Peace; and Pervez Hoodbhoy of Quaid-e-Azam University (Islamabad, Turkey).

Martha Farah, director of the Center for Neuroscience and Society at the University of Pennsylvania, delivered the 2013 Arthur Miller Lecture in Science and Ethics on April 2. The lecture was titled "Brave Neuro World? Reality and Hype in Neuroethics."

In fall of 2012, STS cosponsored a symposium to celebrate the 50th anniversary of Thomas Kuhn's groundbreaking *Structure of Scientific Revolutions*. The symposium featured six local and national speakers from Berkeley, Stanford, Harvard, Rice University, and Wesleyan College. The all-day event comprised lectures highlighting the effects of Kuhn's work on the social study of science and technology and a roundtable question-and-answer session that included STS emeritus faculty member Evelyn Fox Keller.

The Benjamin Siegel Prize of \$2,500 is awarded annually to the MIT student submitting the best written work on issues in science, technology, and society. The prize is open to undergraduate and graduate students from any school or department of the Institute. This year's committee awarded the 2012–2013 prize to HASTS graduate student Rebecca Woods for her paper "Fleeces, Flocks, and Freezers."

## Knight Science Journalism Fellowship Program

2012–2013 was the 30th year of the [Knight Science Journalism Fellowship Program](#) at MIT and the fifth year under the leadership of Philip Hilts. The program continues to attract science journalists from around the world seeking to learn more about the science and technology they cover; there were more than 190 applications for the program's 12 spots. The 30th class of fellows included Karen Brown, Pablo Correa, Amanda Gefter, Cynthia Graber, John Higgins, John Muchangi, Joe Rojas-Burke, Angela Saini, Elana

Schor, Rochelle Sharpe, Heather Smith, and Ying Yuan. In addition, Eli Kintisch was awarded project fellow status to carry out work on a digital climate change application.

Fellows spent most of their time attending classes at MIT and Harvard University but also attended more than 40 seminars with faculty that were specially organized for them, as well as other seminars and workshops devoted to science and technology and their wider impacts. Some of the topics included “Computing without the Box,” “The Art of Science Television,” “Archeology in Deep Water,” “The Global Epidemic of Drug Resistant Tuberculosis,” “The Limits of Human Reasoning about Risk,” “How Brains Understand Minds,” and “Human Wars with Microbes.”

The Knight program’s digital media training continues to expand. Fellows attended workshops on video production and editing, radio reporting, data journalism and visualization, and online multimedia under the instruction of experts from both academia and top news organizations. The 2012–2013 fellowship year also saw the addition of new or expanded sessions in photojournalism and instruction in narrative nonfiction storytelling. The program is committed to providing vital skills training to fellowship appointees, educating them on the techniques and technologies crucial to success in the rapidly changing landscape of digital newsgathering.

Program director Hilts organized four intensive seminars, referred to as boot camps, for current Knight Fellows and other science journalists. In December 2012, the Medical Evidence Boot Camp (now in its 11th year and still popular) brought together medical researchers to evaluate scientific and medical evidence. Also in December, the four-day Energy and Climate Boot Camp was held, with the top climate scientists in America discussing everything from the latest research in solar technology to polar ice melting and the crisis of flooding that is beginning in low-lying areas such as parts of Florida. In March 2013, the Food Boot Camp was offered for the fifth time. Foodborne disease, obesity and malnutrition, and toxic imports were among the topics covered by researchers and leaders from universities, government, and industry. The program’s 30th-anniversary event featured a dinner, a major speaker on the Internet and journalism, and two panel sessions, one on the American health care system and another on America’s new opportunities in manufacturing. The fellows also took a three-day field trip to Woods Hole, MA, to visit the Marine Biological Laboratory and the Woods Hole Oceanographic Institution.

The Knight Fellowships are supported by an endowment from the John S. and James L. Knight Foundation, by MIT, and by alumni and foundation gifts.

### **Faculty Activities**

Professor Fischer did six months of fieldwork and teaching in Singapore as the first Ngee Ann visiting professor at the National University of Singapore (NUS); he also engaged with a number of faculty at the Singapore University of Technology and Design and participating in its January summit meeting. He taught two subjects at MIT in the fall, chairs two dissertation committees, and is an active member of a third (along with one at NUS). He presented papers and/or served as a workshop commentator at three international conferences, and he drafted or revised five papers and had three papers

published. The Turkish translation of one of his books was published, and translations of another into Turkish and Chinese are underway. He continues to serve on the Board of Governors of the University of California Humanities Research Institute and on the editorial boards of *Cultural Politics*, *EASTS (East Asian Science, Technology and Society)*, and *Anuário Antropológico*. He reviews manuscripts regularly for several academic presses as well as academic journals. He continues to coedit the Duke University Press book series *Experimental Futures: Technological Lives, Scientific Arts, Anthropological Voices*, which produced six books this year. He also continues to be an active participant in three academic networks that hold workshops or conferences once or twice a year: the STS Southeast and East Asian Network, based at NUS; the Values/Knowledge network, based at the University of Chicago; and the Oral History of Science and Ethnography of Iran network, based at the University of California, Irvine.

Professor Kaiser continued to serve as STS department head. He published two book chapters and one peer-reviewed article (in *Osiris*) on the history of science, two peer-reviewed articles on physics (both in *Physical Review D*), two additional physics preprints (under review at *Physical Review Letters* and *Physical Review D*), and a new book (coedited with Sally Gregory Kohlstedt), *Science and the American Century* (University of Chicago Press, 2013). He contributed invited editorials published in the *New York Times*, *Nature*, the *Guardian*, and *Social Epistemology*, along with a feature article in the *London Review of Books*. A feature article he published last spring in *Scientific American* was republished, in translation, in *Le Scienze* (Italy), *Nikkei Saiensu* (Japan), and *Spektrum der Wissenschaft* (Germany). Kaiser continued to advise 13 PhD students in the HASTS doctoral program and the Physics Department, as well as PhD students from Harvard and the University of Toronto. He has also been supervising three postdocs. Kaiser continues to serve as a coeditor of *Historical Studies in the Natural Sciences*, on the MIT Press editorial board, and on the Alumni Advisory Board of the Department of Physics and Astronomy at Dartmouth College. He served as program co-chair of the 2012 annual meeting of the History of Science Society and is the local organizer for the 2013 meeting (to be held in Boston). He delivered eight invited keynote addresses during the academic year, including at the Idea Festival (Louisville, KY) and the Jack Kerouac Literary Festival (Lowell, MA); he also presented the Max von Laue Lecture at the German Physical Society annual meeting in Dresden and the Distinguished Faculty Lecture at the Gallatin School of New York University. He teamed with renowned hip-hop artist GZA of Wu-Tang Clan to help launch “Science Genius,” an initiative designed to use hip-hop to get high school students in New York City excited about their science coursework. In December 2012 his recent book, *How the Hippies Saved Physics*, was named “Book of the Year” by *Physics World* magazine and was also named one of the “best books of the year” by the *Financial Times*.

This year Clapperton Mavhunga was promoted to associate professor without tenure. He revised his manuscript “The Mobile Workshop: Studying African Technology and Innovation from Transient Workspaces.” The monograph traces the African hunt in Zimbabwe from its precolonial roots, through the advent of guns, to its appropriation as a technology of tsetse fly elimination by the colonial authorities. The manuscript is now in the production phase for publication in the MIT Press spring 2013 catalog. His next two books will expand on themes that became too unwieldy to be dealt with as

part of the first manuscript. One will focus on the tsetse fly as a historical agent and the other on African technological cultures of warfare in Zimbabwe. Substantial writing has already taken place on both manuscripts. Mavhunga also wrote the first article emerging out of his Poiesis Fellowship, "Cidades Esfumaçadas: Energy and the Rural-Urban Link in Mozambique." The article, published in a special issue of *Public Culture* titled "Infrastructures of the Urban," brings to a conclusion three years of collaboration and mentorship among a distinguished and diverse group of scholars whose interests intersect on the city. Mavhunga's plans for 2013 revolve around the three monographs and the writing of a grant proposal for his next project: "What Role Does Energy Play in Large Technological and Engineering Systems? The Case of South, Central, and Eastern Africa since 1890."

Frances and David Dibner professor of the history of engineering and manufacturing David Mindell was on sabbatical leave in the fall of 2012 and returned to teaching in spring 2103. During his sabbatical, he was a visiting scholar at the Aurora Flight Sciences Engineering Research Center in Cambridge, where he collaborated on a project to build full-size autonomous helicopters for cargo delivery and medical evacuation. He also worked with the Woods Hole Oceanographic Institution to establish its Center for Marine Robotics, which is now up and running. Mindell is currently writing *Our Robots, Ourselves: How the New Robotics Is Changing Human Identity and Experience*; the book, based on his work of the past five years, is scheduled to be published by Viking/Penguin in 2014. His book *Digital Apollo: Human and Machine in Spaceflight* won the Gardiner-Lassiter Award from the American Institute of Aeronautics and Astronautics. He is serving as coeditor of the final report of the archaeological excavations of the *USS Monitor*, to be published by Texas A&M University Press, and has two other books in the proposal stage. Mindell served on the STS senior faculty search and on the dean of engineering's ad hoc Review Committee on Engineering Systems. With John Ochsendorf, he co-chaired the search for new housemasters at Sidney-Pacific and Ashdown. He is part of a group in Aeronautics and Astronautics developing a new research thrust in robust autonomous systems. Mindell gave the first public lecture on the history of control systems at the American Control Conference, lectured at Apple University, and spoke at the MIT Hillel meeting in Florida. Mindell and his wife, Pamela, continue as housemasters at MIT Edgerton House.

Professor Postol continues his work on policy issues connected with missile defense systems in collaboration with the Stanford University Policy Group (headed by Bill Perry), the Princeton University Project on International Security (headed by Frank von Hippel), and the Science, Technology, and Global Security Working Group.

September 2012 saw the publication of associate professor Natasha Schüll's book *Addiction by Design: Machine Gambling in Las Vegas* (Princeton University Press). Favorable reviews and features followed in *Public Books*, the *Chronicle of Higher Education*, the *New York Times*, and the *MIT Technology Review*, among other outlets. Her article "Gambled Away" appeared in *Anthropology Now*. Schüll was invited to deliver presentations to MIT Burchard Scholars Program participants and the MIT Fellows; she was also invited to present the IEEE Social Implications of Technology Lecture at MIT's Lincoln laboratory and a book launch lecture at New York University's Institute for

Public Knowledge. She presented on her new project—a study of digital self-tracking—at the American Anthropological Association meeting in San Francisco and the Social Studies of Science meetings in Copenhagen. In the fall, she cotaught a new graduate seminar on the topic, STS.440 Self as Data. She also taught STS.010 Neuroscience and Society, a HASS-D/CI-H undergraduate course in which over 100 students enrolled. Her article “Balancing Acts” appeared in an edited volume titled *Addiction Trajectories*, and “Neuroeconomics and the Politics of Choice” appeared in *Cash on the Table: Anthropological Engagements with Economics and Economies*. She completed “Turning the Tables: The Crusade to Sell Slots in Macau” for a book titled *Exploring the Production and Consumption of Risk*. In the spring, Schüll was invited to lecture on “Neuroeconomics and Public Policy” at the University of Minnesota and “Economy in the Brain” at Duke University. Also, she gave talks on her book at Cornell University and the MIT Concourse freshman learning seminar. She presented on her new work at the Quantified Self conference in Amsterdam and conducted research while there, with help from the School of Humanities, Arts, and Social Sciences (SHASS) fund. During the spring semester, Schüll co-taught an updated version of the STS.006J Bioethics HASS-D/CI-H course and the STS.260 Introduction to Science and Technology Studies graduate seminar. She advised two HASTS students in preparation for their general exams and participated in one oral examination. During AY2013, Schüll served on the Subcommittee on the HASS Requirement, the STS Committee on Website Redesign, and the STS Committee on Faculty Affiliates. She also served as a reviewer for the journals *Social Studies of Science* and *Biosocieties* and as a consultant to the Massachusetts Gambling Commission Research Subcommittee.

In 2012–2013, Professor Shell taught four courses at MIT and participated in STS, HASTS, Comparative Media Studies (CMS), SHASS, and Institute-related activities. During the year, she taught the following undergraduate and graduate classes: STS.003 The Rise of Modern Science, STS.056 Science on Screen, STS 310 History of Science, and the STS Program Seminar. She also served on a thesis committee in the CMS master’s program and participated in the UROP program as a faculty mentor. She was an invited lecturer at Berkeley and the University of Pennsylvania and participated in multiple academic society meetings. Shell co-convened (with colleagues at MIT and Harvard) an interdisciplinary symposium held at MIT in December 2012 to mark the 50th anniversary of Thomas Kuhn’s *Structure of Scientific Revolutions*. Her 2012–2013 publications included an article in the *Journal of Visual Culture* and a book chapter in *Spreadable Media* (NYU Press, 2013). With the support of a SHASS Research Fund grant received in fall 2012, she is completing her new book and digital humanities project, both about the interwoven histories of textile recycling and sustainable reuse. Shell is an active member of the Institute-Wide Task Force on the Future of MIT Education and its “Working Group on the Future Global Implications of edX and the Opportunities It Creates.”

Merritt Roe Smith, Leverett Howell and William King Cutten professor of the history of technology, continued his appointments as a distinguished lecturer of the Organization of American Historians and honorary guest professor at the Kanazawa Institute of Technology. He also continued to edit the Johns Hopkins Studies in the History of Technology series (Johns Hopkins University Press) and serve on the national advisory



committees of the American Precision Museum, the Thomas A. Edison Papers project (Rutgers University), WGBH's *American Experience* television series, the American Textile History Museum, and the Lincoln Prize at Gettysburg College. He delivered the keynote address at the opening of the Smithsonian Institution conference on Civil War technology and presented the keynote lectures at two National Endowment for the Humanities Landmarks of American History and Culture teacher workshops at the University of Massachusetts, Lowell. He also gave invited lectures at a meeting of the Boston Education Cooperative, the Teaching American History Workshop at Northern Illinois University, Macomb College, and the Justin Morrill Symposium in Strafford, VT. In October, he chaired the "Digital Aesthetics" session at the annual meeting of the Society for the History of Technology in Copenhagen. His Institute committee service included memberships on the Committee on Academic Performance, the Student Support Services Advisory Committee, and the Office of the Dean for Undergraduate Education's Faculty Advisory Committee. His STS committee service included chairing the Clapperton Mavhunga promotion committee and co-chairing the STS Colloquium series. He also served as a member of the Visiting Scholars Oversight/Selection Committee at the American Academy of Arts and Sciences. He is currently on leave working on a book about the technological aspects of the American Civil War.

Abby Rockefeller Mauzé professor of the social studies of science and technology Sherry Turkle is completing a new book on "reclaiming conversation" in digital culture, and she has spoken about the theme in many venues, particularly focusing on the role of conversation in teaching and learning. Among other contributions, Turkle was a keynote speaker at the Carnegie Corporation's Summit on the Future of Higher Education and a conference on the future of the Library of Congress in the digital age. Also, she delivered keynote addresses at Wisdom 2.0, the THINK conference, the International Symposium on Digital Ethics, the World Business Forum, the annual meeting of the Council for the Advancement and Support of Education, and the Forum for the Future of Higher Education, among other venues. In addition, she delivered the convocation address at Carlton College, where her book *Alone Together: Why We Expect More from Technology and Less from Each Other* had been selected for campus-wide reading. In February, Turkle delivered the plenary address at the American Association for the Advancement of Science's annual meeting in Boston. Her topic was "The Robotic Moment: What Do We Forget When We Talk to Machines?" Both this paper and a companion paper, "Once Upon a Screen," dealing with the effects of digital objects in early childhood, became part of the national conversation about the ethics of our emerging digital futures. This year Turkle was honored by the Associates of the Boston Public Library as a "Boston Literary Light." She also was a recipient of a 2013 Harvard Centennial Medal, awarded by the Harvard Graduate School of Arts and Sciences. Over the past year, Turkle has made many appearances on national news programs (CBS, CNN, NBC) and has appeared frequently on PBS stations, including an interview on *Fresh Air*.

Bern Dibner professor of the history of science and technology Rosalind Williams completed final revisions on her book *The Triumph of Human Empire*, as well as final proofreading and preparation of the illustrations, index, and publicity plans. The book is tentatively scheduled for publication in October by the University of Chicago Press. Her essay "The Rolling Apocalypse of Contemporary History," prepared for the

Aftermath Project (organized by Manuel Castells and sponsored by the Gulbenkian Foundation), was published in *Aftermath: The Cultures of the Economic Crisis* (Oxford University Press). In the fall, Professor Williams delivered an address and participated in a review committee for the Swedish Energy Research Council's 15th-anniversary meeting in Stockholm. In addition, she made her annual visit as distinguished visiting professor at the Technical University of Eindhoven (the Netherlands) to consult with university leaders (including the rector), faculty, students, and staff; this year the university launched a new undergraduate engineering program with MIT's program as its explicit model. She gave an invited keynote lecture at the Dibner Library of the Smithsonian Institution and participated in sessions at the Society for French Historical Studies meeting at MIT and a global science fiction conference at Wellesley College. She also wrote an essay on literature and technology that will be published in *Technology and History*. At MIT, Professor Williams completed her term on the advisory board of the MIT Museum and was invited to serve on the Compton Lecture Committee. In the fall, she taught a seminar in which the class project was to design a new introduction to an STS course for MIT undergraduates. This fall she will serve as the instructor for the initial offering of the new subject, STS.004 Intersections: Science, Technology, and the World, which is based on the syllabus designed by last fall's seminar students. During Independent Activities Period, she co-led (in collaboration with the Game Lab and Visiting Artists Program) a two-week workshop featuring animator/filmmaker Guilherme Marcondes.

**David Kaiser**

**Director**

**Germeshausen Professor of the History of Science**

**Senior Lecturer in Physics**