
Review 2004/2005—A Report on Fellowships and Events

During the term 2004/2005 the Institute for Advanced Studies on Science, Technology and Society (IAS-STS) in Graz was again a place for numerous scholars to undertake their research—mainly dissertations, habilitations and post-doc research—in an interdisciplinary atmosphere, and for a wide range of events dedicated to defend positions and discuss results with colleagues or to present them to the public.

Research Fellows of 2004/2005

Out of about 60 applicants the Scientific Advisory Board of IAS-STS choose the following scholars in a meeting on 22 April 2004. They were appointed Research Fellows by the Director of IAS-STS Prof. Arno Bammé (University of Klagenfurt, Faculty for Interdisciplinary Studies / IFF). Members of the Board are Prof. Elisabeth List as representative of the Karl-Franzens-University Graz, Prof. Harmut Kahlert as representative of Graz University of Technology and Dr. Harald Rohrer as representative of the Graz unit of IFF, the IFZ – Inter-University Research Centre for Technology, Work and Culture. Prof. Arno Bammé chairs the Board and Dr. Bernhard Wieser is responsible for the executive management.

- (1) Marko Ahteensuu, Finland: The Precautionary Principle in the Risk Management of Modern Biotechnology.
- (2) Susanne Bauer, Germany: Environment, Risk and Susceptibility in Epidemiology and Toxicogenomics.
- (3) Andrea Bunting, Australia: Development of an Evaluation Method and Formulation of Recommendations for Improved Teaching and Learning of Sustainability in Engineering Education.
- (4) Mary C. Ingram-Waters, USA: Cloning Embryos: A Sociological Analysis of Science, Gender, and Global Markets.

- (5) Gyula Kasza, Hungary: Critical Analysis of Public Participatory Techniques in Science and Technology Policy Making in Regard to GM Food Regulations.
- (6) Emek Baris Kepenek, Turkey: Research on the Content of National Policies on Technology and Sustainability for Developing Countries.
- (7) Kyra Landzelius, Sweden / USA: Technology and Personhood: Neonatal Medicine and New Ways of Coming into Being.
- (8) Oana Mitrea, Romania: The Gendered Patterns of Localization and Mobility in the Usage of Wireless Communication Technologies.
- (9) Vera Munteanu, Moldova: Technology, Ecology and Sustainability. Do They Exclude Each Other?
- (10) Gerd Schienstock, Finland: The Transformation from a Resource-Based to a Knowledge-Based Economy.
- (11) Tereza Stöckelova, Czech Republic: Introduction of GMO in the Czech Republic: Localisation of a Global Controversy.

Public Lectures

Seven scholars were invited to come to IAS-STs as Guest Lecturers or as Visiting Scholars (for up to two months). These Guest Lecturers and Visiting Scholars gave public lectures, contributed to the IAS-STs Conference and participated in workshops to give presentations and / or comments on the talks of the Fellows. Public Lectures are designed to present issues of broader interest to the public:

19 October 2004

Dennis Anderson, USA: Project NABU-Cameroon: The Case of Socio-Enabling Computing.

6 April 2005

Corinna Bath, Germany: Sociality with Machines. Anthropomorphizing and Gendering in Software Agent Research and Robotics.

1 June 2005

Joan Rothschild, USA: The Perfect Child.

9 June 2005

Valerie Francis, Australia: The Importance of Workplace Support and Work Flexibility for Civil Engineers.

15 June 2005

Juha Rääkkä, Finland: Gene Technology and World Poverty.

23 June 2005

Elvira Scheich, Germany: Wissenschaftsordnung und Geschlechterordnung. Historische Zusammenhänge und techno-politische Perspektiven.

28 June 2005

Nina Toren, Israel: Women in Academic Science.

Conference

The 4th Annual IAS-STC Conference: “Critical Issues in Science and Technology Studies”, which also served as the Alumni-Meeting, took place 28 February – 1 March 2005 in Graz.

Programme

Monday, 28 February 2005

Opening

Günter Getzinger, Managing Director, IAS-STC and Wilhelm Berger, Vice Dean, Faculty for Interdisciplinary Studies (IFF), University of Klagenfurt.

- Christine Wächter, Austria: Women Engineers in the Automobile Industry: Tales of Balancing Acts between Wishful Thinking and Reality (introducing the “Women Scientists and Engineering Education” session).
- Maria Tysiachniouk, Russia: Building Sustainable Communities with Indigenous People: The Role of Transboundary Environmental Organizations in Innovation Transfer and Dissemination (introducing the “Sustainability” sessions).

Session A: Renewable Energy

Chair: Ines Oehme

- Taru Peltola, Finland: Creating Alternative Flows of Timber: Bio-energy Technologies and the Politics of Forests in Finland.
- Emek Baris Kepenek, Turkey: Renewable Energy Policy Lessons for Developing Countries: European Union and Turkey.
- Philipp Späth, Austria: Integration in Cooperation—A Project on Distributed Electricity Generation as a Case of Transdisciplinary Research.

Session B: Theorizing Sustainability

Chair: Ines Oehme

- Vera Munteanu, Moldova: Technology, Ecology and Sustainability. Do They Exclude Each Other?
- Imre Oliver Kozak, Hungary: Boundaries between Risk Assessment and Risk Management in Urban Air Pollution Regulation.
- Ralf Brand, Germany: Sustainability Memes.
- Ashok Sharma, India: Zero Impact Manufacturing Initiative (ZIMI).

Session C: Women Scientists and Engineering Education

Chair: Christine Wächter

- Tatiana Leontieva, Russia: The Changes in the Economic and Social Status of Women Scientists in Russia and Brain Drain: Overview of the Problem.
- Maria Rentetzi, Greece: From the Ad to the Lab: Gender Transformations in Physics in the 1960s: The Case of the Greek Research Centre “Dimokritos”.
- Andrea Bunting, Australia: Environmental Improvement through Engineering: The Experiences of Female Engineers.
- Anita Thaler, Austria: On Gender-Related Stumbling Blocks and Factors of Success in Engineering Education.
- Laure Goura, United Kingdom: Barriers Facing Female Engineers: Critical Mass Versus Leaky Pipeline Investigation.

Tuesday, 1 March 2005

- Ulrich Dolata, Germany: An Internet-Based Economy? E-Effects on the Auto Industry and the Music Sector (introducing the “Users and Innovators” session).
- David Mercer, Australia: Legitimizing Vertically Integrated Expertise in Areas of Controversial Science: Efficacy, Fluidity vs. Accountability (introducing the “Biotech” sessions).
- Risto Eräsaari, Finland: Aleatory Assemblages of Controversies: Working Paper on Problematization, Accountability and Epistemological Tactics (introducing the “Knowing and Being” session).

Session D: Food and Molecules

Chair: Bernhard Wieser

- Tereza Stöckelova, Czech Republic: “Coexistence” between GM, Conventional and Organic Agriculture in Europe: Socio- and Technologicals of Its Proponents and Critics.
- Armin Spök, Austria: From Farming to Pharming: Regulatory Challenges for the Next Wave of Agricultural Biotechnology.

Session E: Precaution and Communication

Chair: Bernhard Wieser

- Gyula Kasza, Hungary: Public Understanding and Participation in the Hungarian Food Safety Control.
- Marko Ahteensuu, Finland: Weak and Strong Interpretation of the Precautionary Principle in the Risk Management of Modern Biotechnology.

Session F: Risk and Susceptibility

Chair: Armin Spök

- Franc Mali, Slovenia: The Impact of Ethical Considerations on the Social Regulation of Biotechnology in the New EU-Member States.
- Susanne Bauer, Germany: The Genomics of Environmental Response: (Re-)Visions in Risk Assessment?

Session G: Clones and Babies

Chair: Armin Spök

- Mary C. Ingram-Waters, USA: Mapping the Global Terrain of Parthenogenesis.
- Kyra Landzelius, USA: To Coordinate the Limits of Viability: Expert Decision-Making and Aggressive Life-Support for the Too-Early Born.
- Bernhard Wieser, Austria: Self-determination as a Specific Mode of Self-Guidance.

Session H: Users and Innovators

Chair: Günter Getzinger

- Oana Mitrea, Romania: The Constitution of the Wireless Communication and Information Dispositif—A Socio-Historical Perspective.
- Harald Rohracher, Austria: The Janus Face of Participation in Technology Design.

Session I: Between Knowing and Being: Theories and Everyday Life

Chair: Harald Rohracher

- Alla Bolotova, Russia: Colonizing the Territory of the Soviet Union: Nature in Ideology and Everyday Life.
- Ivan Tchalakov, Bulgaria: The Entrepreneurial Science and ‘Other’ Science: Towards Possible Reconciliation.
- Hajo Greif, Germany: Minding the Gap between Context and Content.
- Olga Stoliarova, Russia: Can One Do Without Ontology? On Some Aspects of STS Philosophy.
- Günter Getzinger, Austria: Post-Academic Science and Sustainability.

Workshops

Two Work-in-Progress Workshops and bi-weekly Fellow Meetings providing the Research Fellows with opportunities for the presentation and discussion of their research outcome took place during the term 2004/2005:

Work-in-Progress Workshop, 12 November 2004

- Marko Ahteensuu, Finland: The Precautionary Principle and its Interpretations: Conceptional Issues.
- Gyula Kasza, Hungary: Food Safety Related Risk Communication in Hungary.
- Oana Mitrea, Romania: The Gendered Patterns of Localization and Mobility in the Usage of Wireless Communication Technologies.
- Kyra Landzelius, Sweden / USA: Emotional Infrastructures in the Governance of the Preterm Baby.
- Mary C. Ingram-Waters, USA: Science, Media, and Fiction: Mapping out the Stakes of Parthenogenesis Cloning Research.
- Susanne Bauer, Germany: Environment, Risk and Susceptibility in the Environmental Genome Project.
- Emek Baris Kepenek, Turkey: Environmental Policies of European Union and Turkey.
- Andrea Bunting, Australia: Wind Power Policy in Australia: An Uncertain Future.

Work-in-Progress Workshop, 3 June 2005

- Marko Ahteensuu, Finland: Precaution in the Context of Agricultural Biotechnology.
- Gyula Kasza, Hungary: Structure in Controlling Food Risk—Apocalypse Now.
- Susanne Bauer, Germany: Genomics and Environmental Health: The Case of Radiation Risk Assessment.
- Emek Baris Kepenek, Turkey: The Idea of Renewable Energy: Policy Lessons for Developing Countries—European Union and Turkey.
- Mary C. Ingram-Waters, USA: Science Fiction as a Site for Politicized Knowledge Production about “Real World” Science.

- Kyra Landzelius, USA / Sweden: The Meta-Native and the Militant Activist: Virtually Saving the Rainforest.
- Tereza Stöckelova, Czech Republic: Interfering with Research Policy: Civil Initiatives Concerning FP7.
- Andrea Bunting, Australia: On “Making a Difference”: Female Engineers Working in the Environmental Field.

Alumni

76 Research Fellows (fellowships up to 12 months, partly with grants provided by the IAS-STS, Ernst Mach programme, Lise Meitner programme, INTAS programme or grants provided by the Fellows' home countries), Visiting Scholars (fellowships up to one month, without grant) and Guest Lecturers (including lecturers at our conferences) from 21 countries have contributed to the scholarly life at IAS-STS since 1999:

1999/2000

- Radostina Angelova (Bulgaria, Research Fellow): Decision Making, Professional Choice and Motivation upon University Entrance with Emphasis on a Comparative Analysis between Austria and Bulgaria.
- Daniel Barben (Germany, Research Fellow): The Generation and Shaping of Biotechnology: The Neo-Liberal Configuration of Functions and Forms of Technological Regimes in a Comparative Perspective (USA-Germany/EU).
- Eva Estók (Hungary, Research Fellow): Innovation and Technology Policy within Economic Growth.
- Ulrike Felt (Austria, Guest Lecturer): Wissenschaft und Öffentlichkeit.
- Tatiana Leontieva (Russia, Guest Lecturer): Degradation of Science and Technology in Russia at the Dawn of the 21st Century.
- Cristina Marcolin (Italy, Research Fellow): Technology Policy in the Austrian Development Aid System.

- Alan Marshall (New Zealand, Research Fellow): *Cybernetics and the Ecosystem-Economy Analogy: A Study in the History of the Transdisciplinary Use of the Concept of Self-Regulation in Technology, Nature and Society.*
- Michael Stockinger (Austria, Research Fellow): *Technology and the Text—The Interplay of Information Technology and Contemporary Narrative.*
- Alen Vitas (Croatia, Research Fellow): *Technology and the Text—The Interplay of Information Technology and Contemporary Narrative.*

2000/2001

- Johannes Agnoli (Germany, Guest Lecturer): *Technischer Fortschritt und Opposition.*
- Michalis Assimakopoulos (Greece, Guest Lecturer): *Science and Technology Studies in Greece.*
- Ellen Balka (Canada, Research Fellow): *Women Users: Re-Gendering Technology.*
- Aristides Baltas (Greece, Guest Lecturer): *HPS and STS: The Links.*
- Gerald Berger (Austria, Research Fellow): *Design-for-the-Environment as Part of a Strategy towards Ecological Modernisation: Evaluating Technological Innovations in Industry and their Promotion through Instruments of Environmental Policy-Making.*
- Richard M. Burian (USA, Guest Lecturer): *The Dilemma of Case Studies Resolved: On the Usefulness of Historical Case Studies in the Philosophy of Science.*
- Ulrich Dolata (Germany, Research Fellow): *Competition, Cooperation and Networking in Biotechnology. The Socio-Economic Evolution of a New Technology.*
- Dmitri Efremenko (Russia, Research Fellow): *Technology Assessment as an Instrument of Prospective Environmental and Technological Policy.*
- Günter Getzinger (Austria, Guest Lecturer): *Technology and the Loss of the Tactile.*

- Vitaly G. Gorokhov (Russia, Guest Lecturer): Critical Assessment of Technological Progress.
- Elisabeth List (Austria, Guest Lecturer): Technische Exzentrizität.
- David Mercer (Australia, Visiting Scholar) Institutional Ecologies and Scientific Method Discourses in Legal and Regulatory Settings.
- Annette Ohme-Reinicke (Germany, Research Fellow): Technological Development and Social Protest Movements.
- Walter Peissl (Austria, Guest Lecturer): Technology Assessment in Austria—State of the Art and Research Activity of the ITA.
- Joseph C. Pitt (USA, Guest Lecturer): The Problem with Case Studies.
- Helmut Reinicke (Germany, Guest Lecturer): Technische Zivilisation, Ideologie, Theorie.
- Maria Rentetzi (Greece, Research Fellow): Women Physicists and the Material Culture of Physics: Women's Participation in the Institute for Radium Research in Vienna and the Gendered Production of Knowledge.
- Harald Rohrer (Austria, Guest Lecturer): User Participation in Environmental Innovations.
- Ariella Vraneski (Israel, Research Fellow): A Comparative Study on the Prevention, Mitigation and Resolution of Conflicts, and on Public Participation, as Means towards Sustainable Development.
- Doris Wallnöfer (Italy, Research Fellow): Technowar. The Diffusion of War into Contemporary Culture and Politics.
- Bernhard Wieser (Austria, Guest Lecturer): Public Understanding of Genetic Engineering.

2001/2002

- Radostina Angelova (Bulgaria, Guest Lecturer): Analysis of Students' Attitudes toward Technology Studies.
- Daniele Bourcier (France, Guest Lecturer): Brief Presentation of CNRS' Activities in ICT and Law.

- Ulrich Dolata (Germany, Guest Lecturer): Europeanization of Technology and Innovation Policies? Global Innovation: The Case of Biotechnology.
- Dmitri Efremenko (Russia, Visiting Scholar): Public Participation in the Environment and Technology Oriented Decision-Making. Theoretical and Institutional Aspects.
- Risto Eräsaari (Finland, Visiting Scholar): Orientation Crisis and the Political Project of Inclusion.
- Vitaly Gorokhov (Russia, Guest Lecturer): A New Dimension of Technology Assessment in the E-Society: A Russian Perspective on Technocratic Thinking.
- Vera Gouchtchina (Russia, Research Fellow): Gender-Work Relations and Axiology of Work in Cross-Cultural Perspective: A Contextual Approach.
- Marlene Hinterhofer (Austria, Associate Student): GMOs in Food. Possibilities and Limitations of Detection Methods.
- Manfred Klade (Austria, Guest Lecturer): Incentives for a Dialogue on the Safety of Cosmetic Products.
- Shigeru Nakayama (Japan, Visiting Scholar): Third Paradigm of De-Developed Japan.
- Annette Ohme-Reinicke (Germany, Guest Lecturer): Horse-Whispering, Teamwork and Participation.
- Maria Rentetzi (Greece, Guest Lecturer): Feminist Epistemology: How a Case Study from History of Science Undermines Harding's Standpoint Theory.
- Gerd Schienstock (Finland, Research Fellow): Information Society, Work and New Forms of Social Exclusion.
- Sonja Schmid (Austria, Research Fellow): Transformations of Popular-Scientific Discourses on Nuclear Power in Soviet and Post-Soviet Print Media.
- Franz Seifert (Austria, Research Fellow): Biotechnology—The Public—Democracy. The Austrian Controversy on Biotechnology in the International Context.

- Christine Wächter (Austria, Guest Lecturer): Attracting Women into Engineering through Regional Technology Programmes.
- Doris Wallnöfer (Italy, Guest Lecturer): Mission Impossible or the So-Called War.
- Bernhard Wieser (Austria, Guest Lecturer): Beyond the Universal Subject of Cognition.

2002/2003

- Radostina Angelova (Bulgaria, Guest Lecturer): Beyond Students' Attitudes toward Technology Studies.
- Michalis Assimakopoulos (Greece, Guest Lecturer): Technological Determinism: A Theory about Society or a Theory about Technology?
- Ellen Balka (Canada, Guest Lecturer): Freezing Social Relations: The Role of Technology in Structuring Knowledge about Health.
- Gerald Berger (Austria, Guest Lecturer): Environmental Governance for Sustainable Regional Development: Reflections on the Issue of Power in Policy-Making.
- Ulrich Dolata (Germany, Guest Lecturer): Stubborn Actors, the Duality of Structure and the Distinctiveness of Technologies: About Case Studies and the World Outside.
- Risto Eräsaari, (Finland, Guest Lecturer): Third Wave Expertise.
- Todor Galev (Bulgaria, Research Fellow): Dual Use Research: Between Engineering Technology and Social Networks.
- Ulrich Glotzbach (Germany, Research Fellow): Modelling Technology Rise and Shaping: Technological Style in Product Development.
- Don Ihde (USA, Guest Lecturer): Bodies in Technology.
- Adelina Ilieva (Bulgaria, Research Fellow): Ethics in the Regulatory Action: Social Shaping of Biotechnological Research.
- Sandra Karner (Austria, Guest Lecturer): The Assessment of Genetically Modified Food Safety.

- Ernst Kotzmann (Austria, Guest Lecturer): Machine—The Core of The Technological Civilisation.
- Tatiana Leontieva (Russia, Guest Lecturer): Western Influence on the Process of Restructuring of the Science and Technology Sector in the Transition Economy of Russia in 1992 – 2002. Social Effects: Women’s Perspective.
- Courtney Everts Mykytyn (USA, Research Fellow): Anti-Aging Medicine and the Irrelevance of Being Natural.
- Gerd Schienstock (Finland, Visiting Scholar): Organizational Innovations.
- Olga Stoliarova (Russia, Research Fellow): Social Constructivism: An Ontological Turn (Analysis of Some Trends of Postmodern Philosophy and Sociology of Science by the Example of “Symmetries”).
- Ivan Tchalakov (Bulgaria, Visiting Scholar): Humanism Towards the Fellow Non-Human.

2003/2004 (selection)

- Alla Bolotova (Russia, Research Fellow): Social Constructions of Nature: Soviet Geologists as Professional “Conquerors of Nature”.
- Adrian Ely (United Kingdom, Research Fellow): Regulatory Appraisals of Bt Transgenic Maize: A Study of Science in Governance.
- Risto Eräsaari (Finland, Visiting Scholar): Concept of Crisis.
- Hajo Greif (Germany, Research Fellow): Darwinizing Our Selves. The Evolutionary Making of Modern Man.
- Simon Guy (United Kingdom, Visiting Scholar): Sustainable Architecture: Theories, Discourses, Practices.
- Manfred Hall (Austria, Guest Lecturer): The “Green Cleaning”—Blessing or Curse?
- Imre Kozák (Hungary, Research Fellow): Improvement of the Design Process of Environmental Limit Values through the Integration of Risk Factors.

- Franc Mali (Slovenia, Research Fellow): The Social Role of Technology in the Context of the New Mode of Knowledge Production.
- Tabitha Mulyampiti (Uganda, Research Fellow): Making Education Technologies Work: A Gender Analysis of the E-Learning Programs in Makerere University, Kampala.
- Taru Peltola (Finland, Research Fellow): Environmentally Sound Technology Alternatives and Public Energy Management.
- Anna I. Pobol (Belarus, Research Fellow): Spin-off Firms in National Innovation System: Social Consensus.
- Minna Salminen-Karlsson (Sweden, Research Fellow): Technology Comes in Different Shapes to Girls, Boys and Engineers-to be. Technology Education, Technology Concepts and Gender.
- Gerd Schienstock (Finland, Visiting Scholar): Organizational Innovations. Some Reflections on the Concept.
- Philipp Späth (Austria, Guest Lecturer): How to Facilitate Transitions in Production-Consumption Systems? Challenges of a Strategic Accompanying Project on an Austrian Research Programme for Sustainability-Orientated Production.
- Armin Spök (Austria, Guest Lecturer): The Road to Partition—Separating Assessment and Management in Risk Policy.
- Maria Tysiachniouk (Russia, Guest Lecturer): Transferring Forest Certification to Societies in Transition.
- Jan-Peter Voß (Germany, Visiting Scholar): Sustainability Foresight as a Method to Shape Socio-Technical Transformation: Achievements and Constraints in Light of Experimental Application to Utility Systems.
- Raymund Werle (Germany, Visiting Scholar): Institutionelle Analyse technischer Innovationen.
- Johannes Weyer (Germany, Guest Lecturer): Innovationen fördern—aber wie? Zur Rolle des Staates in der Innovationspolitik.

Results of the research undertaken by these former Research Fellows, Visiting Scholars and Guest Lecturers during their stays at the IAS-STC

can be found in the previous IAS-STS Yearbooks 2001, 2002, 2003, 2004 and 2005 or in previous issues of SOZIALE TECHNIK, IFZ's journal (visit: http://www.ifz.tugraz.at/index_en.php/article/articleview/40/1/32 and http://www.ifz.tugraz.at/index_en.php/article/articleview/193/1/58/).

Information

For further information or for subscription of IAS-STS Yearbooks please visit our website: www.sts.tugraz.at. The Yearbooks 2001, 2002 and 2003 can be found there online.

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The general concept of IAS-STS was published in the IAS-STS Yearbook 2001: www.ifz.tugraz.at/index_en.php/article/articleview/768/1/58.

*Günter Getzinger and Bernhard Wieser
Graz, June 2007*