
About the Authors

Gloria Adduci

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Gloria Adduci is a Research Assistant at IFZ. She obtained her PhD at the University of Perugia (Italy) on Plant Biology and Agrobiotechnology, with a thesis on the governance of agrobiotechnology in developing countries, focusing on the situation in South-East Asia. Gloria started working at the Genetic Rights Council (Rome) in 2004, in a new project called Agro-biotechnology Observatory (OA). The project's aim was to create an international network for participating in the decision-making process and informing about the possible risks of GMOs for developed and developing countries. Moreover, the project concentrated on monitoring and analysing the public response and participation in the decision-making process on deliberate releases of GMOs into the environment as well as the European regulation "food and feed" (1829/2003/EC). For a better understanding of US regulation, she spent three months at Davis University (California, USA) working on GMOs regulation in the US, focusing on legal aspects, public participation in the decision making process as well as the comparison between US and EU systems.

In 2007, she moved to Singapore and spent 7 months working with the Downstream Processing Group at Bioprocessing Technology Institute (BTI) in Singapore, focusing on the engineering and scale-up aspects of protein purification, cell separation and cell preservation.

Between 2010 and 2012 she was a Visiting Scholar and subsequently a Research Fellow at the Institute for Advanced Studies on Science, Technology and Society (IAS-STs). Since January 2013, Gloria has been working as a research assistant in the group "Modern Biotechnology" at IFZ, on the European projects GRACE (GMO Risk Assessment and Communication of Evidence), PreSto (Preparatory Steps towards a GMO ERA-Net) and G-TwYST (GMP-Two Year Safety Testing).

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Selected publications

- Adduci, G. (2012), 'L'approccio del Sud est Asiatico alla governance delle biotecnologie agricole', *Dal Seme*, No. 4/2012: 47-50.
- Adduci, G. (2012), 'Governing Agrobiotechnology in South-East Asia', *Soziale Technik*, No. 3/2012: 17-18.
- Adduci, G. (2012), 'Economic considerations on agricultural biotechnology in developing countries', *Year Book 2011 of the Institute for Advanced Studies on Science, Technology and Society*: 35-51.
- Lee, J., A. Tscheliessnig, A. Chen, Y.Y. Lee, G. Adduci, A. Choo and A. Jungbauer (2008), 'Adaptation of hybridomas to protein-free media results in a simplified two-step immunoglobulin M purification process', *Journal of Chromatography*, A. 2009 Mar 27; 1216(13): 2683-8. Epub 2008 Oct 21.
- Adduci, G. and M. Lener (2008), 'GMOs: a comparison between US and Europe', *Dal Seme*, No. 4/2008: 49-54.
- Adduci, G. and M. Lener (2008), 'Two ways to say GMOs', *Sapere*, June 2008: 66-71.
- Adduci, G., G. Lauria, G., M. Lener, M. and P. Vinesi (2007), 'Twilight decision', *Sapere*, April 2007: 62-67.
- Adduci, G. (2006), 'Agrobiotechnologies: on a way for a major trust', *Prometeus, on-line ANBI (Italian National Biotechnologies Association) journal*, no. 13/06, July/August 2006.
- Adduci, G. and M. Lener (2005), 'European Food Safety Authority (EFSA): limits and possibilities. EFSA, a new legislative overview for public participation on decision making process', *Prometeus, on-line ANBI (Italian National Biotechnologies Association) journal*, no. 5/05, March/April 2005.

Project abstract

Governing agrobiotechnology in developing countries: the case of South East Asia

For the last 15 years, the global production of genetically modified crops (GM crops) has been increasing at fast pace, and so far more than 95 percent of

the area devoted to GM crops is located in four countries: United States, Brazil, Argentina and India. During the same period, a growing movement of opposition against transgenic crops – mainly in Europe – started to take shape. As a consequence, relatively strict legislation and regulations on the import and release into the environment of GM crops as well as on the market for food and feed uses developed. The restrictions and the lack of demand in these products caused a limitation of the expansion of agrobiotechnology in developing countries.

For several years, Asian countries have been actively developing research programs on agricultural biotechnology, focusing on GM crops with potentially beneficial agronomic traits; some of these countries have indeed developed biosafety regulatory frameworks, but until now only few have approved one or more GM crops. The importance of agriculture for the economy of most Asian countries, however, cannot be underestimated and moves a huge part of research in this field – both in developed and in developing countries. Developing countries are moving fast in order to become competitive in the international arena. Currently, these countries are home to roughly 80% of the world population, with the percentage being destined to increase.

Gloria's project focused on the situation and regulation of agrobiotechnology in developing countries, with a specific focus on a region that she considers very important for the challenges it is facing and the possibilities it is opening for the rest of the world: South-East Asia. Her intention was to make a comparison between the governance of agrobiotechnologies in South-East Asia versus Europe and the USA. Finally, some economic and socio-economic considerations complete her analysis.

Arno Bammé

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Born in 1944; studied economics, education and sociology at the Free University of Berlin (GFG fellowship); several years in industry, research assistant at the University of Technology Berlin, participated in establishing Ösearch GmbH in Berlin Mehringhof, which provided vocational education to socially deprived young people and supported alternative cultivation methods of production cooperatives in Third World countries;

founding member of the interdisciplinary Technology and Social Sciences Research Institute in Berlin (TESOF); research assistant at the University of Hamburg (DFG project); since 1985: Full Professor for Didactics in Further Education at the University of Klagenfurt and Head of the Department of Research on Science and Technology (TeWi) at the Faculty for Interdisciplinary Studies (Klagenfurt – Graz – Vienna) (IFF); since 1998: Director of the Institute for Advanced Studies on Science, Technology and Society in Graz; 1986 to 1992: Chairman of the Interuniversity Commission (IUK); 1996 to 2001: Deputy Head of Institute of IFF and Dean of Studies; 1988 to 2000: member of the international advisory committee of the journal 'Innovation'; 1992 to 1997: member of the commission for 'Integrated Technology Research' of the Hessian Ministry for Science and the Arts; 1997 to 2000: member of the scientific advisory committee for 'Technological Development Research' of the Institute for Natural Sciences Education in Kiel; since 2004: member of the editorial advisory board of the online journal 'Science, Technology & Innovation Studies'; since 2011: head of Ferdinand-Tönnies-Research Unit at Klagenfurt University and head of the section "Occidental Epistemology" of the Bureau for Unsolvable Problems in Berlin; numerous publications in different textual and publishing forms and translations from English and French; current focus of work includes science and technology studies, literature and sociology, didactics of the social sciences, didactics of continuing education in science.

Selected publications

- Bammé, Arno (2012), *Kunst am Meer. Hein Hoop's Damm gegen die Unkultur*, Dresden: Verlag der Künste.
- Bammé, Arno (2011), *Homo occidentalis. Von der Anschauung zur Bemächtigung der Welt. Zäsuren abendländischer Epistemologie*, Weilerswist: Velbrück.
- Bammé, Arno (2009), *Science and Technology Studies. Ein Überblick*, Marburg: Metropolis.
- Bammé, Arno (2008), *Wissenschaft im Wandel. Bruno Latour als Symptom*, Marburg: Metropolis.

Bammé, Arno (2008), *Die Neuordnung des Sozialen durch Technologie*, Marburg: Metropolis.

Bammé, Arno (2004), *Science Wars. Von der akademischen zur postakademischen Wissenschaft*, Frankfurt am Main / New York: Campus.

Bammé, Arno (2004), *Gesellschaft (re-)interpretieren*, München / Wien: Profil.

Thomas Berger

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Thomas Berger received his degree in Sociology at the University of Graz and completed a training course in mediation and conflict management. He currently works on his PhD on science and technology studies at Alpen-Adria-Universität Klagenfurt/Vienna/Graz.

From 2004 until 2007, he worked as a freelancer for the University for Health Sciences, Medical Informatics and Technology in Hall in Tirol.

From 2007 until 2010, Thomas occupied a position as a freelance scientific assistant at the research center for crisis and disaster research, which is part of the department of sociology at the Karl-Franzens-University Graz; further, he was a project member of member of SUFRI – Sustainable Strategies of Urban Flood Risk Management with non-structural measures.

In 2008, Thomas was awarded the young-scientist-award at the 4th Austrian Conference for International Development. From 2010 to 2011, he worked as a researcher at Spectro – gemeinnützige Gesellschaft für wissenschaftliche Forschung GmbH – conducting a project on energy poverty in Styria. Thomas was a Research Fellow at the IAS-STS during the same time period.

Since 2010, he is a research assistant in the research units Ecological Product Policy as well as Women-Technology-Environment at the IFZ.

Recent publications

Berger, Thomas, Birgit Hofstätter, Anita Thaler, and Daniela Freitag (2014), 'Youth interests as vehicles for the acquisition of technological competence: Insights from two participatory projects', conference paper for EDUCON2014 – IEEE Global Engineering Education Conference [<http://www.educon-conference.org>].

Berger, Thomas (2012), 'Energiearmut: Entstehung und definitorischer Kontext. Energiearmut im europäischen Vergleich', Dossier "Gegen Kälte. Energiearmut in Österreich" Nachrichten und Stellungnahmen der Katholischen Sozialakademie Österreichs 09/2012.

Berger, Thomas (2012), 'Energy poverty – from a global perspective to Austria', 15th European Round Table on Sustainable Consumption and Production (ERSCP) 2012. Bregenz, Austria, Austrian Institute of Ecology [https://www.dropbox.com/s/pkb5vgnxlkg019d/Berger%20T_ERSCP_2012_fullpaper.pdf].

Project abstract

Fuel poverty: a sociological case study in Styria

Thomas' research at IAS-STs consisted in exploring the approach to theorise fuel poverty in Austria from a sociological perspective. The first step is a critical review of already existing definitions and theoretical concepts concerning fuel poverty. There has been a lot of policy oriented research in the United Kingdom and other Western European countries. In a second step, Thomas conducted an empirical case study in Styria consisting of expert interviews as well as a survey on fuel poor private households. The aim of his research fellowship was to constitute a sociological definition and characterisation of fuel poverty that fits the Austrian context.

Florence Chee

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Florence Chee is an Assistant Professor of Digital Communication and Co-Founder of the Social & Interactive Media Lab (SIMLab) at Loyola University Chicago. Her research examines the social and ethical dimensions of our emergent digital lifestyles with a particular focus on games, social media, mobile platforms, and their effects on global labor dynamics across industrial, governmental, and academic sectors. She has designed and taught graduate/undergraduate courses in Digital Media including Game Studies, where students engage with debates surrounding gaming and their production through social justice frameworks. She was a Research Fellow at IAS-STs from January to March 2011.

Selected publications

- Jin, Dal Yong, Chee, Florence, and Kim, Seah. (2013). "Transformative Mobile Game Culture: A sociocultural analysis of Korean mobile gaming in the era of smartphones." *International Journal of Cultural Studies*. Sage Publications.
- Chee, Florence, Taylor, Nicholas, and de Castell, Suzanne. (2012). "Re-Mediating Research Ethics: End-User License Agreements (EULAs) in Online Games." *Bulletin of Science, Technology & Society*. Sage Publications. Vol. 32(6), pp. 497-506.
- Hira, Anil, Morfopolous, James, and Chee, Florence. (2012). "Evolution of the South Korean wireless industry: from state guidance to global competition." *International Journal of Technology and Globalisation*. Inter-science Enterprises Limited. Vol. 6(1-2), pp. 65-86.
- Jin, D. Y. and F. Chee (2008), 'Age of new media empires: A critical interpretation of the Korean online game industry', *Games and Culture: A Journal of Interactive Media*, No. 3(1): 58.
- Chee, F. (2006), 'The games we play online and offline: Making wang-tta in Korea', *Popular Communication*, No. 4(3): 225-239.
- Chee, F. and R. Smith (2005), 'Is electronic community an addictive substance? An ethnographic offering from the EverQuest community', in Schaffer, S.P. and M. L. Price (Eds.), *Interactive convergence: Critical issues in multimedia*, Oxford, UK, Inter-Disciplinary Press: 137-155.

Project abstract

Communication Infrastructures and Changing Social Dynamics in Asian and European Contexts

During her research stay at the IAS-STs in Graz, Florence examined the use of information communication technologies (ICTs) and the changing social dynamics amidst the impacts of transnationality in Asian and European contexts. A theme of the study has been to explore the relationship between the spaces in which media use occurs and how sociotechnical choices are influenced by local culture.

Rositsa Dikova

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Rositsa Dikova holds a Doctorate in Philosophy from the University of Sofia, which she obtained after graduating as a Bachelor in Philosophy (2005) and from a Master's Programme in Gender Studies (2006). As a Research Fellow with the IAS-STS Graz (10/2010 – 05/2011), she further focused her research interests on ICT from an STS perspective, with a focus on F/OSS projects development and identity narration. Being a native Bulgarian language speaker with excellent English and moderate German and Russian knowledge, she has a professional track record in public consulting, tutoring and web-site building. Rositsa has participated at various international and national conferences on ICT, Philosophy, Virtual culture studies and Gender studies. Her research projects and related activities are in the fields of narrative ethics, virtual identity and F/OSS development projects communities.

Selected publications

Dikova, Rositsa (2010), 'Once upon a theme: Narrating identity', *The Philosophy of Security in an Insecure World*, Proceedings of XXV Varna International Philosophical School, BAS, Sofia, 2010

Dikova, Rositsa (2010), 'География на социалните мрежи: Механизми за удържане на колективна идентичност' (Geography of Social Networks: Mechanisms to sustain collective identity'), *Философски изследвания на виртуалната култура*, Книга първа, Университетско издателство "Климент Охридски".

Project abstract

Rositsa was a Research Fellow with the IAS-STS in Graz between October 2010 and May 2011. Her research project focused on the social impact of ICT and specifically on narrating identity with regards to social software development and Free/Libre Open Source Software projects. Her presentations showed her extensive work with the Drupal CMS and the developers' community. Rositsa was engaged with on-site observations and active work with the Austrian Drupal community, as part of her project

“New stories, new agents: The impact of ICT on self-representation and narrative identity”. During her stay, Rositsa explored various approaches to collective and personal identity conceptions, free/open source projects communities’ modelling and OS projects development.

Nir Fresco

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Nir Fresco will be a Postdoctoral Fellow at the Edelstein Centre for the History and Philosophy of Science, Technology and Medicine at the Hebrew University of Jerusalem. He has a Bachelor’s degree in Computer Science from Tel Aviv-Yaffo Academic College and a Master’s degree in Philosophy from Tel Aviv University. Further, Nir has tutoring experience in philosophy at undergraduate level. Additionally, he has been working in the Information Technology industry in the last 14 years and has a wealth of experience in computer programming as well as professional project management. His doctoral dissertation, “Concrete digital computation: competing accounts and its role in cognitive science”, philosophically explores extant accounts of digital computation as it is actualised in physical systems, and examines the implications of these various accounts for Cognitive Science. Nir has since published his dissertation as a monograph with Springer-Verlag. At IAS-STS in June 2011, Nir worked on a project called “The Information Processing Account of Computation”, exploring the widely held view that digital computation is just the processing of information.

Refereed Journal Publications

- Fresco, Nir, Marty J. Wolf (2014), ‘The instructional information processing account of digital computation’, *Synthese*, No. 191: 1469-1492.
- Fresco, Nir, Phillip Staines (2014), ‘A Revised Attack on Computational Ontology’, *Minds and Machines*, 24/1; 141.
- Fresco, Nir (2012), ‘The Explanatory Role of Computation in Cognitive Science’, *Minds and Machines*, Vol. 22: 353-380.
- Fresco, Nir (2010), ‘Explaining Computation Without Semantics: Keeping It Simple’. *Minds and Machines*, Vol. 20, Issue 2: 165–181.

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Fresco, Nir (2010), 'A Computational Account of Connectionist Networks', *Recent Patents on Computer Science*, Vol. 3, Issue 1: 20-27 (invited paper).

Fresco, Nir (2008), 'An Analysis of the Criteria for Evaluating Adequate Theories of Computation', *Minds and Machines*, Vol. 18, Issue 3: 379-401.

Selected Conference Presentations

Fresco, Nir (2011), 'Digital Computation as Information Processing', *Proceedings of AISB 2011*: 58-64. Presented at York University in April 2011.

Project abstract

Information Processing Account of Concrete Digital Computation

Nir's research examines various conceptions of 'Information' in an attempt to establish the foundations for an explicit account of digital computation in terms of Information Processing. This is part of a larger scale project where various accounts of computation are examined, some of which are judged as being inadequate for explaining the phenomenon of computation implemented in physical systems. An Information Processing account of computation seems like a natural candidate for explaining this phenomenon. After all, conventional digital computers traffic in data. But when 'information' comes under scrutiny, the resulting account becomes a less obvious candidate. 'Information' may be interpreted semantically or non-semantically, and its interpretation has direct implications for the resulting Information Processing account. This project deals with the implications of various interpretations of 'Information' for explaining concrete digital computation. Some of the interpretations that were explored are the non-semantic conceptions of 'information' based on Claude Shannon's theory of information and Algorithmic Information Theory. Other semantic conceptions that were explored are Instructional Information (or information-how) and Factual Information (or true information-that). The key requirements for a physical system to compute based on an Information Processing account are also fleshed out.

Helena Karasti

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Helena Karasti received her doctoral degree in Information Systems from the University of Oulu in 2001 and was appointed as adjunct professor in Information Systems with specialization in Computer Supported Cooperative Work (CSCW) at the University of Turku in 2008. Currently she is holding a position as an Academy Research Fellow at the University of Oulu, Finland, as well as a professor in Information Systems at Luleå University of Technology, Sweden. With a lasting interest in technologically mediated work, Helena's current research focuses on understanding e-Science (cyberinfrastructure), especially the co-evolution of scientific collaboration, data curation and knowledge infrastructure development. As research strategies, she combines ethnography with participatory design/research approaches. Helena was a Research Fellow at IAS-STs in autumn 2010 and winter 2011.

Selected Publications

- Karasti, H. (2014), 'Infrastructuring in Participatory Design', *Participatory Design Conference*, 6-10 October 2014, Windhoek, Namibia, pp. 10 (accepted).
- Blomberg, J. and H. Karasti (2013), 'Reflections on 25 Years of Ethnography in CSCW', *Computer Supported Cooperative Work (CSCW)*, *The Journal of Collaborative Computing and Work Practices*, Jubilee Issue, The First Quarter Century, Vol. 22, No. 4-6: 373-423.
- Blomberg, J. and H. Karasti (2012), 'Ethnography: Positioning Ethnography within Participatory Design', in Simonsen, J. and T. Robertson (Eds.) *Routledge International Handbook of Participatory Design*. Routledge: New York, NY, USA. Pp. 86-116.
- Karasti, H., K. S. Baker, and F. Millerand (2010), 'Infrastructure Time: Long-Term Matters in Collaborative Development', *Computer Supported Cooperative Work – An International Journal*, No. 19(3-4): 377-415.
- Karasti, H. and K. S. Baker (2008), 'Digital Data Practices and the Long Term Ecological Research Program Growing Global', *International Journal of Digital Curation* 3(2): 42-58.

Karasti, H., K. S. Baker, and E. Halkola (2006), 'Enriching the Notion of Data Curation in E-Science: Data Managing and Information Infrastructuring in the Long Term Ecological Research (LTER) Network', *Computer Supported Cooperative Work – An International Journal*, No. 15(4): 321-358.

Project abstract

Long-term and e-research infrastructure development

Disciplines and specializations embrace certain temporal assumptions and associated time-dependent theories, concepts and instruments that depend on the particular level of analysis and temporal horizon of their preferred object of inquiry. Thus, it is likely that temporal mismatches exist between the specializations that participate in interdisciplinary endeavors. Consequently, advancing an integrated perspective crucially depends on a keen appreciation of the temporal complexities that shape the interactions between the involved specializations.

Recent works within STS looking at the interdisciplinary enterprises of knowledge infrastructure development consider time as a base-level tension that adds complexity to the work of infrastructure building. Simple notions of infrastructure building as planned and orderly act coincide with the prevalent short-term funding schemes for development projects but ignore the longer time scales over which infrastructures typically grow and take hold in emergent and complex ways.

Ingmar Lippert

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Ingmar Lippert is an Assistant Professor at IT University of Copenhagen and Fellow of The Young ZiF, Bielefeld University's Center for Interdisciplinary Research. Ingmar's work focuses on techno-managerial enactments of natures in relation to sustainability discourses. Previously, he was a Lecturer and Fellow at Tembusu College (National University of Singapore) as well as a Research Fellow at the IAS-STS and the first winner of the Manfred-Heindler-grant.

Since 2008, Ingmar is developing a network for the social studies of management and governance of environments at the borderlands between Science and Technology Studies as well as Environmental Anthropology, Sociology and Geography. At its centre, he founded the Environment, Management and Society Research Group.

His research on the situated socio-material practices of ecological modernisation (as a techno-managerial attempt to green capitalism) was and is conducted between IT University of Copenhagen, IAS-STS, Lancaster University and Augsburg University. Ingmar's PhD draws on actor-network theory and feminist technoscience studies; entitled 'Enacting Environments', this ethnography of a Fortune 50 multinational's CSR team reconstructs environmental accounting practices that bring corporate carbon emissions into social and economic reality. This STS research emerged as a methodological and analytical contrast to his earlier technocratic studies of Environmental and Resource Management at Brandenburg University of Technology and Bosphorus University. In April and May 2011, Ingmar Lippert was a Visiting Scholar at IAS-STS.

Key Publications

- Simons, A., A. Lis and I. Lippert (2014), 'The political duality of scale-making in environmental markets', *Environmental Politics*, No. 23(4): 632–649.
- Lippert, I. (2014), 'Studying Reconfigurations of Discourse: Tracing the Stability and Materiality of Sustainability/Carbon', *Journal for Discourse Studies – Zeitschrift für Diskursforschung*, No. 2(1): 32–54.
- Lippert, I. (2013), *Enacting Environments: An Ethnography of the Digitalisation and Naturalisation of Emissions. PhD Thesis*, Augsburg University.
- Lippert, I. (2011), 'Extended Carbon Cognition as a Machine', *Computational Culture*, No. 1(1).
- Lippert, I. (Ed.) (2011): *Limits to Managing the Environment*. Edited book section (Part III: chapters 18–22), in Schmidt M., V. Onyango and D. Palekhov (Eds), *Implementing Environmental and Resource Management*. Heidelberg: Springer: 209–306.

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Laurencas Rasklavicius

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Laurencas holds a PhD in Technological Sciences from Kaunas University of Technology and is an innovations engineer for biofuel energy sector at UAB 'Axis Technologies' (branch of AB 'Axis Industries' – the largest group of companies in Lithuania dealing with industrial and energy sector projects). Between 2001 and 2010, Laurencas worked at the Dept. of Machinery Employment, Dept. of Bioresources, and Dept. of Biotechnologies Engineering at the Institute of Agro-Engineering, Aleksandras Stulginskis University. Recently his work has focused on liquid and solid biofuels, combined heat and power generation, energy policy, as well as interactions between scientific development, technological change, and private-sector activities in the renewable energy sector. Laurencas participated in national and international bioenergy and renewable energy research projects. From 2011 until 2014, he was invited as an international expert evaluator for 40 research programmes funded by the Romanian Government through the National Council for Scientific Research. Since 2011 he is a scientific worker at KTU.

Recent publications

- Rasklavicius, L., V. Kucinskas and A. Jasinskas (2013), 'The prospects of energy forestry and agro-residues in the Lithuania's domestic energy supply', *Renewable and Sustainable Energy Reviews*, No. 22: 419–431.
- Rasklavicius, L., L. Narbutas, A. Slanciauskas, A. Dziugys and Z. Bazaras (2012), 'The districts of Lithuania with low heat demand density: A chance for the integration of straw biomass', *Renewable and Sustainable Energy Reviews*, No. 16 (5): 3259–3269.
- Rasklavicius, L. (2012), 'Characterization of the woody cutting waste briquettes containing absorbed glycerol', *Biomass & Bioenergy*, No. 45: 144–151.

Lisiunia A. Romanienko

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Lisiunia A. Romanienko completed her BA in Sociology from Rutgers University, her MS in Nonprofit Management from the New School for Social Research, and her PhD in Sociology at Wroclaw University in Poland. For over fifteen years, she has conducted research and advocated on behalf of the ethnic poor throughout the United States and Eastern Europe. This experience spans a variety of institutional appointments including the New York City Health Department, the Rikers Island Correctional Facility, the Parish Criminal District Court in New Orleans Louisiana, and numerous NGOs throughout Poland. Her dissertation entitled "Body Piercing and Identity" analyzing anti-technological sentiments among youth was published by Palgrave Macmillan (February 2011). Her other research has been published in *Women in Management Review*, the *Journal of Interdisciplinary Economics*, the *International Social History Review*, the *International Encyclopedia for Civil Society*, and *Museum Management and Curatorship* (forthcoming). Lisiunia was a Research Fellow at IAS-STIS from November 2010 to July 2012.

Selected publications

Romanienko, Lisiunia (forthcoming), 'Criminalizing Dakar: Off Road Motorcycling as the New Normative Instrument of Hegemonic Empire', *International Journal of Motorcycle Studies*.

Romanienko, Lisiunia (2014), *Degradation Rituals and our Sadomasochistic Society* NY, NY: Palgrave Macmillan

Romanienko, Lisiunia (2008), 'Aesthetic and Legal Communities in the Struggle for Sexual Human Rights in Poland', *UNESCO Observatory on Multi-disciplinary Research in the Arts*, No. 1(2):1-16.

Romanienko, Lisiunia (2001), 'Disputing Marxian Alienation and Hegelian Dialectics Through The Elective Affinities Of Techno Music', in: *No Walls*, Leicester, UK: De Montfort University.

Romanienko, Lisiunia (1999), 'Gender Differences in Adaptation Patterns Among Scientists in Developing Nations: Ghana, Kenya, and Kerala',

in: *Women and Technology: Historical, Societal, and Professional Perspectives*
Piscataway, NJ: Institute of Electrical and Electronics Engineers.

Romanienko, Lisiunia (1999), 'Computer Acculturation: Technological Ramifications for International Development', *Computer Underground Digest*, Vol. 11 (28): 3.

Project abstract

The role of ICT in unifying alterglobalization activists

Though the role of computers in unifying fragmented communities is a relatively new area for scholarly inquiry, ICT recommender systems and the egalitarian platforms they provide are becoming the key element in the unification of diverse disenfranchised publics. For our analytic purposes, user and environmental awareness of diasporic deprivation will be shown to be the primary unifying concept enabling philosophically diverse, geographically-distinct alterglobalizers to access the online content they require to advance, legitimate, and occasionally unify (through articulation of public dissent) their geographically fragmented but periodically coalesced oppositional consensus movement. In the process, they exhibit highly efficient, technology-driven, defiant community construction capabilities among world system saboteurs around the globe. While there may be many geographic, ideological, dogmatic, educational, and philosophic distinctions among its members, the online alterglobalizing platform has provided a discursive space to explore the interconnectedness of contemporary social problems, which in turn leads to discourses on the interconnectedness of solutions, which in turn leads to interconnectedness of a mass societal world-wide resistance endeavor to publicly implement these devolutionary tactics. The precision path and pattern recognition available through ICT platforms sensitizes users to specificities of alterglobalization through content that brings about a level of awareness that has not merely resulted in protests or other participatory democratic attacks on hegemonic agents of dependency stratification on and offline, but has directed content that has actually increased cultural capital among resisters as they exchange aesthetic, social, cultural, political and other informative resources throughout their consensually oppositional

digitized network. This has led to a powerful form of insurgency and related community building within the constraints and limitations of different formations of struggle.

Sandy Ross

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Sandy is a Senior Lecturer of Marketing at Leeds Beckett University. Her current research explores grocery shopping, packaging, struggles toward sustainability and economic problems amongst expatriates living in Moscow, Russia. Sandy's research interests include moral economies, monies, valuation, markets and digital virtual consumption. She is working on a book exploring moral economies in virtual worlds: *Weapons of the Geek*.

From January to April 2011, Sandy was a Research Fellow at IAS-STs.

Selected publications

Ross, Sandy (2014), 'What is ambiguous about ambiguous goods?', *Journal of Consumer Behaviour*, No. 13(2): 140-147.

Ross, Sandy (2014), 'Virtual money, practices and moral orders in Second Life', *Distinktion: Scandinavian Journal of Social Theory*, No. 15(1): 6-22.

Review Essays

Ross, Sandy (2008), 'George Loewenstein: Exotic Preferences: Behavioural Economics and Human Motivation', *Sociologicky casopis (Czech Sociological Review)*, No. 6(2008): 1200-1204.

Conference papers

Ross, Sandy and Shahanah Schmid (2010), 'Virtually Healthy: Locating nature, gender and illness in virtual bodies', 4th Christina Conference on Gender Studies, Helsinki, Finland.

Ross, Sandy (2010), 'It's 'sick' to be ill: Assessing the impact of online patient support groups', Social Networking in Cyberspace Conference, University of Wolverhampton. UK.

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Ross, Sandy (2008), 'Playing the Market: Negotiating Normative and Subversive Market Practices in an Online Economy', International Forum of Sociology, Barcelona, Spain.

Ross, Sandy (2007), 'Two Models of Sociability: Simmel Goes Online', LSE Department of Sociology Annual Conference, Cumberland Lodge, Windsor, UK.

Book reviews

Ross, Sandy (2009), 'The Comfort of Things – Daniel Miller', *British Journal of Sociology*, No. 60(4): 841-843.

Ross, Sandy (2007), 'Human-Machine Reconfigurations: Plans and Situated Actions – Lucy Suchman', *British Journal of Sociology*, No. 58(4): 732-733.

Mass media publications

Ross, Sandy (2009), 'The Internet's Dirty Carbon Secret', *The Guardian*, 6 December 2009 [<http://www.guardian.co.uk/commentisfree/cif-green/2009/dec/06/internet-dirty-secret-emissions-data>].

Project abstract

Invisible Ecological Costs

This research explores end user, or consumer, understandings of the hidden environmental costs of online services, particularly social networking and sharing sites. Proliferating forms of social networking media, digital entertainment and virtual consumption present themselves to consumers as environmentally sustainable, with minimal production costs or ecological impact. However, in reality the technological infrastructures supporting these objects and modes of consumption embody tremendous ecological impacts, from heavy energy use to use of dwindling supplies of rare earth minerals and pollution created in production. This research has two interdependent objectives: evaluating how lay users of popular social networking sites and virtual worlds understand the environmental costs of those activities and the infrastructures upon which they depend; and how information about energy use and ecological costs can be effectively

communicated – by businesses, users themselves, climate change organisations or governments – in a way that is intelligible to lay audiences. Sandy also aims to provide three types of outcomes: an original scholarly contribution; recommendations for communicating the environmental costs of ICTs to various constituencies; and increasing the profile of these issues in public debate. Data will be generated through qualitative semi-structured interviews; site visits to data centres; analysis of texts produced by environmental organisations, online service providers, ecological corporate social responsibility projects within the IT sector; and quantitative data on energy consumption and efficiency produced by environmental groups, ICT infrastructure producers and suppliers and service providing companies.

Aleksandra Stupar

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Aleksandra Stupar is an associate professor at the Faculty of Architecture of the University of Belgrade, where she graduated, obtained an MSc degree as well as a PhD degree in architecture and urbanism. She is currently engaged in two projects financed by the Ministry of Education and Science of the Republic of Serbia: "Studying climate change and its influence on the environment: impacts, adaptation and mitigation" and "Spatial, ecological, energy and social aspects of the development of settlements and climate changes – interrelations". Aleksandra has published articles and chapters in national and international journals and books focusing on technological, ecological and political aspects of contemporary urban environment and its transformations. She is the winner of the Gerd Albers Award 2008, given by ISOCARP for the best published article on urbanism.

Aleksandra Stupar was a Research Fellow at IAS-STs from April to July 2011.

Selected publications

Stupar, Aleksandra and Aleksandra Djukic (2014), 'Adjusting to Climate Shifts: Sustainable Development and Energy Efficiency between

Regulation and Practice', in Pucar, Mila, Branka Dimitrijevic and Igor Maric (Eds.), *Climate Change and the Built Environment: Policies and Practice in Scotland and Serbia* (forthcoming).

Stupar, Aleksandra (2014), 'Ideology or Fashion? The Contemporary City and the Quest for Power', in Mako, Vladimir, Mirjana Roter Blagojevic and Marta Vukotic Lazar (Eds.), *Architecture and Ideology*, Newcastle upon Tyne: Cambridge Scholars Publishing: 172-184.

Stupar, Aleksandra and Djordje Stojanovic (2013), '(Un)folding the Green Future: Architecture between Bio-mimicry and Techno-Flamboyance', Proceedings of the 13th Annual IAS-STs Conference, Institute for Advanced studies on Science, Technology and Society, Graz: IAS-STs [<http://www.ifz.tugraz.at/ias/content/download/6759/56467>].

Stupar, Aleksandra and Zoran Nikezic (2011), 'City vs. Climate Changes – the Future and its (Un)Sustainability: The Global Applicability of Sarriguren and Jätkäsaari?', *Spatium*26: 40-44.

Stupar, Aleksandra (2009), *Grad globalizacije - izazovi, transformacije, simboli / The City of Globalization – Challenges, Transformations, Symbols*, Belgrade: Faculty of Architecture, University of Belgrade and Orion Art (in Serbian/English).

Project abstract

Towards the ultimate e3-topia: Scrambling the energy efficient, eco-friendly and electronic urban future?

The contemporary society, limited by its increased demands and available resources, is trying to awake its environmental responsibility and overcome present and future consequences of our conformism and arrogance. Since climate change cannot be prevented, but only reduced and modified, cities are challenged to behave like perfect low-carbon machines. The future conceived as e-e/eeco/e-topia certainly addresses the main problems and trends of our (urban) society, but the efficient integration of 'green' and 'brown' agendas still remains a problem for urban planning.

Therefore, the main aim of this multileveled research is to analyze the relation between recent environmental transformations, 'e3' imperatives

(energy efficiency, eco-friendliness/awareness and electronic interconnectedness) and contemporary planning and architectural practice. The research is structured upon a specific matrix, which interrelates three main elements - a scale of urban/architectural intervention, a type of innovation and a level of expected/achieved sustainability. The current socio-economic and technological context of cities is emphasized, generating the guidelines for an applicable model of e3-topia.

Gerald Taylor Aiken

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Gerald Taylor Aiken is a post-doc at the University of Luxembourg. His research focuses on community transitions to a low-carbon future, with a special emphasis on the role of community in this transition. These include: the way community is used to guide, arrange and discipline top-down populations; the capacities for increasing agency when organising and acting as a 'community'; why this particular form of togetherness assumes such contested, critical and unswervingly positive policy and academic assumptions; and some of the geographic peculiarities emerging when community and environment are co-implicated—an obvious one being the community-local vs environment-global semantic associations. Much of this comes out of his PhD (*The Production, Practice, and Potential of 'Community' in Edinburgh's Transition Town Network*, 2014) a study of tensions and relationships between a government scheme to target carbon emissions through community and the grassroots, activist, emergent groups they funded.

Publications

- Taylor Aiken, G. (2014), 'Common Sense Community? The Climate Challenge Fund's Official and Tacit Community Construction', *Scottish Geographical Journal*, 130/3: 207-221, DOI: 10.1080/14702541.2014.921322.
- Taylor Aiken, G. (2014), '(Local-) Community for Global Challenges: Carbon Conversations, Transition Towns and governmental elisions', *Local Environment* [<http://dx.doi.org/10.1080/13549839.2013.870142>].

Taylor Aiken, G. (2014), 'The Production, Practice and Potential of 'Community' in Edinburgh's Transition Town Network', *PhD Thesis*, Durham University [<http://etheses.dur.ac.uk/9487/>].

Aiken, G. (2012), 'Community Transition to a Low Carbon Future in the Transition Towns Network', *Geography Compass*, Vol. 6: 89-99.

Aiken, G. (2012), 'UK Environmental Governance through Community', *UGEC Viewpoints*, Vol. 7: 24-27.

Project abstract

Exploring the potential synergy between the socio-technical system approach to transition, and that of emergent, ground-up, community-based transition initiatives

Gerald looks to address the disconnect between two fields of literatures around transition (those from socio-technical systems, and those from the emergent, community-based approach) to see what arises from a dialogue between these two. The IAS-STS' focus on promoting the transition to a sustainable energy system particularly interests him. It is in that area that there is significant overlap between Gerald's research interests and the Institute in Graz. His intention was to explore this area in more depth during his stay in Graz (January to March 2011).

This article is situated both within this theoretical backdrop and that of Gerald's wider research – the gathering of empirical data on community based and initiated transitions. It seeks to gain a deeper understanding of what transition means in a community, in the current context. It seeks to explore what an engagement between theoretical STS concepts of transition and empirical, emergent, transition communities would be like.

Anita Thaler

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Anita Thaler is a researcher at IFZ (the Inter-University Research Centre for Technology, Work and Culture, the Graz unit of STS). She heads the research unit Women – Technology – Environment and the working group Queer STS. Beside her research in the field of gender and technology, she

is also lecturer at the University of Graz and Alpen-Adria-Universität Klagenfurt, where she teaches “Methods of Gender Studies”, “Informal Learning in a Technological Society” as well as “Gender and Technology”.

She studied Psychology (she is a certified work psychologist), Education Science and Women’s and Gender Studies at the University of Graz and the Alpen-Adria-Universität Klagenfurt. For her dissertation, “Berufsziel Technikerin?” [Professional aim woman engineer? Gender in engineering education], she received the “Gabriele Possanner”-award 2007 from the Austrian Federal Ministry of Science and Research. In 2010, she received the “Austrian Award for Vocational Education Research” from the Austrian Federal Ministry of Education, Arts and Culture together with colleagues.

Her research is based on the notion that science and technology are not neutral. The application of technologies (e.g. related to digital media or energy consumption) is hardly being reflected in regard to its consequences for social relations and processes. This is also true for scientific discourses and their influence on society and the stabilisation/transformation of social norms. This is where Anita and her research unit “Women – Technology – Environment” address their research to: Participatory technology design and technology learning; Gender in science and technology; Evaluation of gender equality measures in science and technology; and Queer-feminist science and technology studies.

Recent publications

Thaler, Anita (2014), ‘Online harassment and online solidarity – a technofeminist perspective’, in Berger, Thomas and Günter Getzinger (Eds.), *Proceedings of the 13th Annual IAS-STIS Conference on Critical Issues in Science and Technology Studies*, 5th-6th May 2014, IFZ Eigenverlag, Graz, ISBN Nr. 978-3-9502678-3-9; [<http://www.ifz.tugraz.at/ias/content/view/full/7068>; 1.7.2014].

Thaler, Anita (2014), ‘Informelles Lernen in der technologischen Zivilisation’ [‘Informal learning in a technological civilisation’], IFZ Electronic Working Papers IFZ-EWP 3-2014, ISSN 2077-3102; [<http://www.ifz.tugraz.at/Publikationen/Electronic-Working-Papers>; 25.3.2014].

AG Queer STS [Anslinger, Julian, Birgit Hofstätter, Susanne Kink, Lisa Scheer, Jenny Schlager (Käfer), Anita Thaler, and Magdalena Wicher] (2013), 'Geschlechterwissen in der Hirnforschung: Ein queerer Blick aus den Science and Technology Studies' ['Gender knowledge in brain research. A queer perspective from Science and Technology Studies'], *Freiburger Zeitschrift für Geschlechterstudien*, 19/1:67-84.

Thaler, Anita (2012), 'Interdisciplinarity: Students' Perception of Interdisciplinary Engineering Education in Europe' in Béraud, André, Anne-Sophie Godfroy and Jean Michel (Eds.), *GIEE 2011 Gender and Interdisciplinary Education for Engineers*, Rotterdam: Sense Publishers: 209-221.

Thaler, Anita and Birgit Hofstätter (2012), 'Geschlechtergerechte Technikdidaktik' ['Gender equal technology didactics'], in Kampshoff, Marita and Claudia Wiepcke (Eds.), *Handbuch Geschlechterforschung und Fachdidaktik*, Wiesbaden: Springer: 285-296.

Corinna Vosse

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Corinna Vosse works as a researcher, author, lecturer, consultant and project manager. Since 1994, she has co-initiated various cultural centers in the United States and in Germany, amongst them the first used material supply center in Germany (www.kunst-stoffe-berlin.de). In 2008, she obtained her PhD at the Institute of Social Science at the Humboldt University of Berlin with a thesis on the governance of setting up cultural infrastructure, drawing on empirical studies undertaken in Berlin. Since then, she has worked for various administrations, conducting research, making policy recommendations and designing programs. Her academic focus currently lies on exploring social and individual determinants of sustainable consumption, on the organisation of regional exchange, and on institutions of sustainable development. Corinna has published on these topics and teaches at universities in Germany as well as abroad. She has been awarded grants and fellowships by the following institutions: IAS-STs, Graz (2011); Asia-Europe Foundation, Singapore (2007); Central European University, Hungary (2007); Department for Cultural Affairs, Berlin (2003); European Cultural Foundation, Amsterdam (2002).

Recent publications include

- Vosse, Corinna (2013), 'Do-It-Yourself und Nachhaltiger Konsum - Selbermachen im Bedeutungswandel', *Forschungsjournal Soziale Bewegungen*, Vol. 26, No. 1: 90-95.
- Vosse, Corinna (2014), 'Kunst-Stoffe – Teil einer weltweiten Bewegung', in Stiftung Bürgermut (Ed.), *Gutes einfach verbreiten. Handbuch für erfolgreichen Projekttransfer*. Berlin:68-73.
- Vosse, Corinna (2014), 'New Economic Practice in Creative Scenes – Crowdfunding and Coworking', in: Ditachmair, Philipp (Ed): *Cultural Policy and Management Yearbook: Cultural Change-makers*. Istanbul: 73-79.
- Vosse, Corinna (2014), 'Suffizienz als Strategie zur Senkung des Energieverbrauchs im Wohnbereich', in: *Energiewirtschaftliche Tagesfragen „et“*, 10/2014, Essen (in preparation).

Project abstract

During her stay at the IAS-STS in Graz, Corinna explored dependencies between sustainable consumption as a socio-economic practice and practices of self-providing. The research design builds on the empirical observation that makers often exercise consumption in a way implicitly aligned with sustainable principles, suggesting that the experience of self-providing brings out and advances patterns of sustainable consumption. Building on this, the research focused on analysing and mapping motivations for and practices of providing as a form of informal consumption. Further, it looked at effects this way of consumption, as a form of provision and exchange beyond the market, has on the individual level. In addition, it assessed structural factors shaping this field, supporting or hindering the spreading of sustainable consumption patterns. As a result of Corinna's research, factors have been identified both on the individual and on the structural level, relevant for promoting sustainable consumption more widely throughout society.

Yuliya Voytenko

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Yuliya Voytenko holds a MSc in Environmental Sciences, Policy and Management (MESPOM) from Lund University (Sweden) and a PhD in Environ-

mental Sciences and Policy from Central European University (Hungary). In 2011, Yuliya was a Research Fellow at IAS-STS at Klagenfurt University. Yuliya has been working in the area of bioenergy for nearly seven years. Her primary areas of expertise include transition to biomass-based energy systems; bioenergy technology transfer from Western to Eastern European countries with economies in transition; new business models for more sustainable lifestyles in energy and housing, mobility, food and consumer goods sectors; and the role and effects of ICT and virtual meetings in offering travel-free work opportunities. Yuliya was involved in projects with organisations such as UN FAO, OSCE, UNEP, UNDP, EEA and others.

Recent publications

- Voytenko, Y., P. Arnfalk, P.A. Lindeblad, M. Klintman, and O. (2013), 'Resfria Möten: vad blir effekterna och hur redovisar man dem?' ['Virtual Meetings: What are their Effects and How to Report them?'], working paper, IIIIE vid Lunds universitet; [<http://lup.lub.lu.se/record/4180593/file/4180597.pdf>].
- Voytenko, Y. and O. Mont (2013), 'Innovative value creation models for sustainable living', *Sustainable Consumption Transitions Series*, 360, Rotterdam: SCORAI Europe.
- Voytenko, Y. (2012), 'Pathways for agro-bioenergy transition in Ukraine', *Biofuels, Bioproducts and Biorefining*, 6 (2): 124-134.
- Voytenko, Y. and P. Peck (2012), 'Organisational frameworks for straw-based energy systems in Sweden and Denmark', *Biomass and Bioenergy*, 38: 34-48.
- Voytenko, Y. (2012), *Bioenergy in Ukraine: Sustainable pathways for bioenergy development*, Saarbrücken: LAP LAMBERT Academic Publishing.
- Voytenko, Y. (2012), 'Denmark: Lessons from the Global Leader in Straw-to-Energy', (Ed.) in *Denmark: Economic, Political and Social Issues*, New York: Nova Science Publishers.
- Voytenko, Y. and P. Peck (2011), 'Organization of straw-to-energy systems in Ukraine and Scandinavia', *Biofuels, Bioproducts and Biorefining*, 5(6): 654-669.

Project abstract

Yuliya was a research fellow at the IAS-STs from February until November 2011. She has been working on the project *Exogenous Influences on the Establishment of Bioenergy Industries in Transition Economies*. The exploration of this research area resulted in three journal publications, a conference paper, a book chapter and three project proposals both for research and international collaboration. Two major argumentations have been delineated for the future work: First, that there is a need and an interest of EU utility markets (e.g. Sweden, Denmark, Germany etc.) in sourcing sustainable biomass/biofuels from other jurisdictions (e.g. Ukraine, Belarus, Moldova, Lithuania) with significant biomass reserves but poorly established bioenergy industries; And secondly that there is a large unexplored potential for international technology transfer (i.e. hardware, software and institutional) and opening of new markets for the countries with advanced bioenergy sectors (e.g. Western Europe) to the countries with nascent industries (e.g. transition economies in Eastern Europe).