

# Anticipation

## 2017

### Curated sessions:

- **Responsible Anticipation**
  - Convened by Ted Fuller
  - Contributors: Zoe Rabaey, Shannon Spruit, Bruce Tonn, Markku Wilenius
- **Encountering the Future and its Portents**
  - Convened by John Lyons
  - Contributors: Dawn Llewellyn, John Lyons, Julia Cook, Steve Knowles
- **Interrogating Uncertainty**
  - Convened by Keri Facer
  - Contributors: Karoline Wiesner, Harvey Goldstein, Rich Pancost, Richard Pettigrew, Patricia Gaya
- **Museum Practice as Anticipation**
  - Convened by Tim Boon
  - Contributors: Sandra Kemp, Chiara Zuanni, James Mansell, Nick Barnard
- **Future Scenarios: An Exhibition**
  - Convened by Renata Tyszczyk
  - Contributors: Joe Smith, Zoe Svendsen, Contributing Artists
- **The Distributed Work of Future Building: Bodies, Brains, Words and Cultures as Embodiments of Possibility**
  - Convened by J. Scott Jordan
  - Contributors: Tomie Hahn, Chris Mays, Tommaso Bertolotti
- **Modes of foresight in informing public policy and decision making**
  - Convened by Ursula Gobel
  - Contributors: Karl Schroeder, Greg van Alstyne
- **The Role of Heritage in Speculative and Counterfactual Fiction**
  - Convened by Kyle Lee-Crossett and Sarah May
  - Contributors: Kyle-Lee Crossett, Sarah May, Deborah Withers
- **Inserting the Future in the Crannies of the Present**
  - Convened by Jamie Brassett
  - Contributors: John O'Reilly, Mark Donoghue, Fabrice Roubelat, Anne Marchais-Roubelat, Bettina Bouchayer
- **Making Futures Matter: Materialising Anticipation**
  - Convened by Chris Groves
  - Contributors: Jên Angharad, Juliet Davis, Seth Oliver, Emma Renold
- **The Time of Social Futures**
  - Convened by Richard Harper
  - Contributors: Melissa Fernández Arrigoitia, Carlos López Galviz, Emily Spiers, Emre Tarim

- **Anticipating Loss 1**
  - Convened by Rodney Harrison and Caitlyn DeSilvey
  - Discussant: Carlos Lopez-Galviz
  - Contributors: Rodney Harrison, Sarah May, Trinidad Rico, Jennie Morgan, Þóra Pétursdóttir, Sefryn Penrose
- **Anticipating Loss 2 (Workshop)**
  - Facilitated by Caitlyn DeSilvey, Shannon Dawdy, Sara Penrhyn Jones, Nadia Bartolini, and Sarah Turner
- **Anticipation, Public Crisis and the Voice of the Past**
  - Convened by Deborah Osberg
  - Anna Lisa Tota, Ann Mische, Deborah Osberg, Robin Wagner-Pacifici
- **Science Futures: stories, histories, con/texts**
  - Convened by Lisa Garforth
  - Contributors: Mat Paskins, Sam Robinson, Amy Chambers, Lisa Garforth
- **The Old is Dying, and the New Cannot be Born**
  - Convened by Andrea Saltelli and Silvio Funtowicz
  - Contributors: Roger Strand, Anne Blanchard, Bruna de Marchi, Joeron van der Sluijs, Giacomo Poderi, Kjetil Rommetveit, Mimi Lam, Matthias Kaiser
- **Bridging Anticipation, Decision and Action**
  - Convened by Fabrice Roubelat
  - Contributors: Vincent Calay, Frédéric Claisse, Jean-Luc Guyot, Sophie Agulhon, Nabil Gamie, Anne Marchais-Roubelat
- **Everyday Futures**
  - Convened by Nicola Spurling
  - Contributors: Lenneke Kuijter, Margit Keller, Giuliana Mandich, Georgia Newmarch
- **Waiting for Trevor to Start: Performing participatory anticipation**
  - Convened by Lucy Kimbell
  - Contributors: Trevor Lock, Jamie Brassett, Cynthia Selin, Laurene Vaughan

#### **Papers:**

- Katerina Alexiou and Theodore Zamenopoulos (The Open University), **'Design anticipation: creating futures through collective dreaming and prototyping'**
- Jean Archambeault (McGill University), **'The productive role of uncertainty in knowledge emergence'**
- Anna Barker (University of Leeds), **'Affective aspects of everyday anticipation: A study of people's attachment to, as well as hopes and fears regarding, the future of urban public parks'**
- Roy Bendor (Delft University of Technology), **'In anticipation of the coming Technocracy: Design-led urban futures from Vancouver and Rotterdam'**
- David Benqué (Royal College of Art), **'The Monistic Almanac'**
- Stefan Bergheim (Zentrum für gesellschaftlichen Fortschritt), **'Anticipation in German governmental futures processes'**
- Mary Brydon-Miller (University of Louisville), **'What Happens if you Cross a Hedgehog with a Fox? The Chimera of Anticipatory Ethics'**

- J.A Capaccio (Copenhagen Institute for Future Studies) and H.L.M Laurén (University of Turku), **'Anticipation Lost in Translations – Futures Work in Progress'**
- Manuela Celi (Politecnico di Milano), **'Design as anticipatory knowledge: Trends from potential future to concrete action'**
- Daniele Chiffi (Tallinn University of Technology), **'Uncertainty, Risk and Conjecturing'**
- Gioconda Coello (University of Wisconsin-Madison), **'Future is the Time Behind Us'**
- Claire Craig (The Royal Society), **'Quantitative modelling in futures thinking: lessons from the UK's Foresight programme'**
- Juliet Davis (University of Cardiff), **'Futurescapes of Design for Urban Regeneration: ten years of planning the legacy of London's 2012 Olympic Games'**
- Linus de Petris and Anders Falk (Blekinge Institute of Technology), **'Anticipating Agency - a playful shift from uncertainty to indeterminacy'**
- Rico Defila, Antoniette di Giulio, and Corinne Ruesch Schweizer (University of Basel MGU), **'"Futures Wheel" – a technique suited to relate anticipation, policy options and societal debate'**
- Rob A DeLeo (Bentley University), **'The Institutional Drivers of Legislative Myopia'**
- E. Scott Denison (Ohio State University), **'Design for Anticipation'**
- Rafael Dernbach (University of Cambridge), **'Anticipatory realism: constructions and mediations of future in contemporary documentary practices'**
- Andrew Donaldson (Newcastle University), **'Space/time machines: assembling now, then, where and when through food supply chains'**
- Robbert van Driessche, Peter Ache, and Arnoud Langendijk (Radboud University Nijmegen), **'Dissecting the urban(ized) binoculars: From deconstructing to reconstructing and realizing urban futures'**
- Mikko Dufva (VTT Technical Research Centre of Finland Ltd), **'Anticipated imaginaries of agency in the futures of work'**
- Cassie Earl (University of Bristol), **'Post-truth as a pedagogy of the future? Transgressing the post-political frame'**
- Rodolfo A. Fiorini (Politecnico di Milano University), **'Cognitive Aspects of Anticipation by the Klein Four-Group and the Elementary Pragmatic Model'**
- Rodolfo A. Fiorini (Politecnico di Milano University), **'To Govern the Future We Need Anticipation First: No Anticipation No System Antifragility'**
- Elena Formia (Università di Bologna), **'Design cultures met future studies. The emergence of a shared debate in the pages of Italian specialized magazines (1967-1974)'**
- Aurore Fransolet (Université libre de Bruxelles), **'Role of foreknowledge in public policy: A comparative analysis of four energy foresight studies in Wallonia'**
- Ted Fuller and Elena Antonacopoulou (University of Lincoln), **'Anticipation and Emergence in Entrepreneurial Practice'**

- Lars Geer Hammersøj (Aarhus University), **'The Future of Education: The problem of cultivating the unique human capacities required in a world of rapid change'**
- Jane Gilbert (Auckland University of Technology), **'Towards a Re-framing of Science Education for the Post-Carbon Era'**
- Carolina Giralda Nohra and Silvia Barbero (Politecnico di Torino), **'How Systemic Design approach is anticipating europe's new economic paradigms'**
- Thomas Grisold and Markus Peschl (University of Vienna), **'Cognitive Unlearning as a prerequisite for anticipation'**
- Chris Groves (Cardiff University), **'Anticipating the energy transition: hotspots and blindspots'**
- Mike Gulliver (University of Bristol), **'Future agency versus the inertia of the inevitable. Or, what do we want 'human' to be: a case study from the Deaf community'**
- Manuel Gustavo Isaac (University of Amsterdam), **'SECE: A Semiotic Epistemology for Conceptual Engineering in Cognitive Futurology'**
- Sophie Haines and David Zeitlyn (University of Oxford), **'Promises, probabilities and the prediction of weather and climate'**
- Lise Amy Hansen, **'Movement Matters'**
- Johanna Hautamäki, **'Anticipatory higher education in Finland – working together with the stakeholders'**
- Melissa Hawkins and Chris James (University of Bath), **'The Future Looks Uncertain: How complexity theory can help us to understand the problematics of organising in schools'**
- Claude Heath (Royal Holloway University of London), **'Uncertain Futures: Disrupting statistical risk models in information security with participatory LEGO practices'**
- Jonne Hoek, Bas de Boer, and Olya Kudina (University of Twente), **'Anticipation 'from Within': A Future Mediated by Technologies'**
- Dirk Hoyer (Tallinn University), **'De Jouvenel and the Futuribles: The Mid-century Rejuvenation of Scientific Inquiry as an Inspiration for Contemporary Science'**
- Signe Hvid Thingstrup (University College Copenhagen), **'Anticipatory practices in action research with childcare professionals in Denmark'**
- Andy Inch, Olivia Bina, and Lavínia Pereira (University of Lisbon), **'Educating desire to open the future: the challenges of reconstructing a utopian urban planning imaginary'**
- Erica Jewell (Goldsmiths, University of London), **'Sea Sensing: Designing Engaging Interactions with Climate Projection Data'**
- Peter Jones (OCAD University), **'Assembling Requisite Stakeholder Variety in Foresight Practice'**
- Joni Karjalainen, Marjukka Parkkinen, Sirkka Heinonen and Juho Ruotsalainen (University of Turku, Finland Futures Research Centre), **'Anticipatory hybrid governance – testing a conceptual model for a peer-to-peer-driven urban landscape'**

- Anna Kirveenummi, Marku Wilenius, Sari Puustinen, Nick Balcom Raleigh and Ellinoora Leino-Richert (University of Turku, Finland Futures Research Centre), **'Transdisciplinarity and new fields of knowledge in anticipatory processes'**
- Elsa Kosmack Vaara (SICS, Rise, Swedish ICT), **'Anticipation as resting and pausing in felt time'**
- Kari-Hans Kommonen, Mia Muurimäki, Régis Frias, and Yasuyuki Hirai (Aalto University), **'Developing Capacity for Envisioning Future Societal Design'**
- Lenneke Kuijer (Eindhoven University of Technology) and Nicola Spurling (Lancaster University), **'Making everyday futures: designing to know'**
- Antonia Langhof (Leibniz Universitaet Hannover), **'Freeze! Calling a halt to Anticipation in organisations and Disaster Management by creating time pressure'**
- Loet Leydesdorff (University of Amsterdam), **'The Development of the Theory and Computation of Anticipatory Systems into a Calculus of Redundancy and the Generation of New Options in Innovation Systems'**
- Ann Light (University of Sussex) and Dagny Stuedahl (HiOA), **'Anticipating Sustainable Society: the Design of Culture in the Anthropocene Age'**
- Genevieve Liveley (University of Bristol), **'Telling the Future: Anticipating our futures, our selves'**
- Sean Low and Stefan Schäfer (Institute for Advanced Sustainability Studies), **'Negative Admissions: An anticipatory survey on modeling negative emissions in low emissions pathways'**
- Jean-Francois Maheux (Université du Québec à Montréal), **'Planning vs Preparing: Toward an anticipative approach to mathematics education'**
- Martin Mahony (University of Nottingham), **'Atmospheres of anticipation: airships, affects and empire'**
- Henry Mainsah (University of Warwick), **'Inventive Methods for Studying Futures: Exploring Research Devices from Design and Art'**
- Giuliana Mandich (University of Cagliari), **'Domesticating the future: present futures as ordinary utopias'**
- Chris Mays (University of Nevada), **'Stubbornness, "Facts," and Anticipation: Resilience of Belief as an Anticipatory Reaction within a "Rhetoric System"'**
- Heather McKnight (University of Sussex), **'Unions as Utopian Spaces: Intercepting Narratives of Potentiality in the fight against Marketised Education'**
- Heather McKnight (University of Sussex), **'Seeking the Edges of Contemporaneous Contradiction: Developing a Methodology of Critical Utopian Discourse Analysis'**
- Riel Miller (UNESCO), **'Transforming the Future: Anticipation in the 21st Century'**
- Naomi Millner (University of Bristol), **'Madre Tierra and the futures of earth-time: Challenges from indigenous literature and transnational agroecological practices'**

- Matti Minkkinen (Finland Futures Research Centre, University of Turku), **'Future-proofing the European privacy regime: Ideas and discourse coalitions in the public consultation process of the General Data Protection Regulation'**
- Andrew Morrison (AHO), **'Design-Baroque-Futures'**
- Ferry van de Mosselaer (Leuven University), **'Dealing with complexity and uncertainty: bridging the epistemic paradox between design research and futures research'**
- Karlijn Muiderman (University of Utrecht), **'The challenges of reconceptualizing anticipatory governance to climate change and migration futures in the Sahel'**
- Timofei Nestik (Russian Academy of Sciences), **'Foresight in organizations: socio-psychological approach'**
- Daslu Ozgen Kocycildirim (Middle East Technical University), and Stan Ruecker (Illinois Institute of Technology), **'Anticipating Storytelling in Design'**
- Marjukka Parkkinen (University of Turku), **'Contemporary survivalism as a socio-individual futures-oriented approach'**
- Paola Pierri (University of the Arts, London), **'"The future arrives sooner here": Time as a dimension of power'**
- Roberto Poli (University of Trento), **'Where internal models come from?'**
- Jérôme Proulx (Université du Québec à Montréal), **'Analysing students' mathematical solving processes: towards the (potentiality) of the future'**
- Claire van Rhyn (Royal College of Art), **'Ancient Technology: The body as anticipatory tool in the relational emergence of cultural change'**
- D.W Rietveld (University of Amsterdam), **'The Skilled Intentionality Framework for Anticipation'**
- Nina Rismal (University of Cambridge), **'On Ernst Bloch, utopian ideas, and their realisation'**
- Solveig Roth (HIHM), **'"Take a picture of me when I look towards the future": Young girls reflections about their educational trajectories in transition stages'**
- Martin Sand (Karlsruhe Institute of Technology), **'Realism about the future and realism about the past'**
- Richard Sandford (University of Bristol), **'Images of the future and educational decision-making'**
- Helga Schmid (Royal College of Art), **'Uchronia'**
- Rocco Scolozzi (University of Trento), **'System thinking and future thinking about the commons at school: a research action on local resources with 8th grade Italian students'**
- Chryssa Sgouridou (University of Exeter), **'Hospitality and Education: Preparing for an open future'**
- Johan Siebers (University of London and Middlesex University), **'A Theory of Anticipatory Truth'**

- Einar Sneve Martinussen (The Oslo School of Architecture and Design), **'Interaction design and the futures, presents and pasts of the networked city'**
- Mikael Sokero (Demos Helsinki), **'Anticipation as individual action motivated by the future(s) - the case of climate change and youth'**
- Tristram Sparks (Massey University), **'The future is disrupted in real time'**
- Anna Louise Spence (Glasgow School of Art), **'Haste Ye Back: Exploring Deep Society in the Scottish Highlands'**
- Benjamin Stopher (Royal College of Art), **'Platform Supported Anticipation: Multimodal data from design ideation as platform level metadata for distributed ideation'**
- Bronislaw Szerszynski (Lancaster University), **'The anticipatory revolutions of the Earth'**
- Nicholas Taylor (Goldsmiths, University of London), **'The Ethics of Professional Futurism: the moral responsibility of anticipation'**
- Bruce Tonn (Three3 Inc.), **'Anticipating the Unintended Consequences of Science and Technology'**
- Hayley Trower (University of Roehampton), **'Aesthetic implications of anticipation in music: exploring the cognitive underpinnings'**
- Laurene Vaughan (RMIT University), **'Anticipation and Intention: Dance, the Tango and Design'**
- Sietske Veenman (Radboud University), **'Exploring policycentric future framing and governance arrangements to anticipate futures in environmental policy'**
- Joost Vervoort (Utrecht University), Aarti Gupta (Wageningen University), **'Governing foresight: the politics of imagining Anthropocene futures'**
- Joost Vervoort (Utrecht University), **'Future Games – New Frontiers'**
- Isabella von Mühlen Brandalise (Parsons School of Design, The New School), **'The NYC Subcommittee of Temporary Operations and Public Dissent'**
- Maneesha S. Wanasinghe-Pasqual and Nilanjana Premaratna (University of Colombo, Sri Lanka), **'Anticipation of Terror: A Narrative Analysis'**
- Caroline Yan Zheng (Royal College of Art), **'Building sentimental machines with people – anticipating the future of our affective relations with sensual robotics'**
- Sun Young Lee (University of Wisconsin-Madison), **'The Anticipatory Teacher: Temporalities, Utopic Future and its Fears'**
- Cassandra Ysobel R. Teodosio (University of the Philippines), **'Anticipations of Freedom in Time'**
- Robin L. Zebrowski (Beloit College), **'Using the Future to Create the Present: A Pedagogical Work in Progress for Artificial Intelligence'**
- David Zeitlyn (University of Oxford), **'Anticipating what the divination spider will say'**
- Lei Zheng (University of Wisconsin-Madison), **'Anticipatory Language of Learning in Transnational Education Reforms: Spatialization of Future, Knowledge, and Emotion'**