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Programme

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AFTERNOON – PARALLEL SESSIONS (2nd version)

This is the second, updated version of the programme for the afternoon sessions of the 1st International Conference on Anticipation.

Let us know if you detect spelling mistakes or missing or wrong information. Minor changes in the organization of the sessions are still possible. The third version of the programme will be published in September.

Scheme of the afternoon sessions

	A Nov 5–Part 1	B Nov 5–Part 2	C Nov 6–Part 1	D Nov 6–Part 2	E Nov 7–Part 1	F Nov 7–Part 2
1	New Paradigm 1	New Paradigm 2	New Paradigm 3	Bring forth Futures 1	Bring forth Futures 2	Bring forth Futures 3
2	Design and Anticip. 1	Design and Anticip. 2	Design and Anticip. 3	Design and Anticip. 4	Design and Anticip. 5	Design and Anticip. 6
3	Design and Architect. 1	Design and Architect. 2	Design and Architect. 3	Design and Architect. 4	Design and Architect. 5	Design and Architect. 6
4	Making of Visions 1	Making of Visions 2	Making of Visions 3	Making of Visions 4	Future as a Cult. Constr. 1	Future as a Cult. Constr. 2
5	Education and Antic. 1	Education and Antic. 2	Education and Antic. 3	Education and Antic 4	Anticipatory Cities 1	Anticipatory Cities 2
6	Philosophy and the Fut. 1	Philosophy and the Fut. 2	Philosophy and the Fut. 3	Philosophy and the Fut. 4	Philosophy and the Fut. 5	Philosophy and the Fut. 6
7	Futures Studies 1	Futures Studies 2	Futures Studies 3	Futures Studies 4	Futures Studies 5	Futures Studies 6
8	Responsible Research 1	Responsible Research 2	Responsible Research 3	Responsible Research 4	Urban Futures	Normative Futures
9	Anticipatory Engineering 1	Anticipatory Engineering 2	Anticipatory Engineering 3	Anticipating Nature 1	Anticipating Nature 2	Anticipating Nature 3
10	Life Itself 1	Life Itself 2	Sociologies of the Future 1	Sociologies of the Future 2	Sociologies of the Future 3	Sociologies of the Future 4
11	Pol. Econ. of Anticipation	Pol. Econ. of Anticipation	Political Anticip. 1	Political Anticip. 2	Political Anticip. 3	Past Anticipations
12	Welfare and the Future	Economic Strategies	Economic Strategies	Fiction and the Arts 1	Fiction and the Arts 2	Fiction and the Arts 3
13	Ant. through Migration 1	Ant. through Migration 2	System Thinking 1	System Thinking 2	Psychological Anticipation	Decision Making
14	Communities of Vision					

- ACHE, Peter, Linda CARTON, Vincent MARCHAU, Sietske VEENMAN and Etienne ROUWETTE (Radboud University Nijmegen), *Anticipatory governance in urban planning processes*
- CATTAPAN, Nico (Labtre), *Revisiting the concept of strategy for urban policies*
- CAPERNA, Antonio and Eleni TRACADA (International Society of Biourbanism, University of Derby), *Biourbanism - Towards a new epistemology in the architects' education*
- BERGHEIM, Stefan (Center for Societal Progress, Frankfurt am Main), *Positive Futures - Forum for Frankfurt*

AC2 ANTICIPATORY CITIES 2 – Chair: Eleni Tracada (University of Derby)

- YIN, Jingwen and Keri FACER (University of Bristol), *Using the case of “Bristol is Open” to explore the relationship of the Science and Technology Studies (STS) and the anticipation theory*
- STUFANO, Rossella, Stefano BORGIO, Dino BORRI and Domenico CAMARDA (Technical University of Bari, ISTC CNR), *Spatial design for risk-averse urban scenarios: a conceptual note*
- MANZELLA, Michele, Theo ZAFFAGNINI and Roberto BOTTAZZI (University of Feltre, MASA), *Telematic map of the risk*
- GIESECKE, Susanne (Austrian Institute of Technology), *“Riding the Tiger – The example of social innovations attempting to establish and to alter the anticipated capitalist development”*

AE1 ANTICIPATORY ENGINEERING 1 – Chair: Janet Singer (International Society for the Systems Sciences)

- ABERA, W., M. BANCHERI, A. BELLIN, E. BOZZINI, N. CONCI, A. FRACASSO, L. FRACCAROLLO, D. GENELETTI, L. GIOVANNINI, L. LAITI, M. LARCHER, B. MAJONE, S. MENINNO, E. NUCCI, M. PERTILE, S. PICCOLROAZ, G. ROSATTI, E. SANSONE, M. SARTORI, E. TOMASI, M. TORO, D. ZARDI, N. ZORZI, D. ZUGLIANI, S. SCHIAVO and R. RIGON (University of Trento), *Anticipating the impact of climatic changes on future availability of water resources and hydro-geological risks: an overview from the project CLIMAWARE*
- FIORINI, R. A. (Politecnico di Milano), *No Anticipation, No Wellbeing!*
- WADE, Jon and Hortense GERARDO (Lasell College), *Anticipatory engineering: an anthropological approach*

- LOWE, David, Karen CLARK, Gerald MIDGLEY, Gordon PATTISON and Mike YEARWORTH (Defence Science and Technology Laboratory, University of Hull, University of Bristol), *Methods for Monitoring Organisational Health - Enabling an Anticipatory System*

AE2 ANTICIPATORY ENGINEERING 2 – Chair: Mike Yearworth (University of Bristol)

- PIANOSI, Francesca and Thorsten WAGENER (University of Bristol), *The role of modelling in water engineering: non-stationarity, uncertainty, complexity*
- RHODES, Donna H. (MIT), *Toward a science of anticipatory analysis for engineering systems*
- KHASHANAH, Khaldoun (Stevens Institute), *Risk, complexity, and anticipation in complex socio-technical systems*
- McNAMARA, Curt (Minneapolis College of Art and Design), *Anticipatory design*

AE3 ANTICIPATORY ENGINEERING 3 – Chair: Rick Adcock (Cranfield University)

- YEARWORTH, Mike and Leroy WHITE (University of Bristol, University of Warwick), *Soft engineering: anticipating an increasingly messy landscape for engineering practice*
- SINGER, Janet and Michael SINGER (International Society for the Systems Sciences), *Six degrees of socialisation: revisiting positivist foundations for anticipatory engineering*
- ANTICIPATORY ENGINEERING ROUNDTABLE DISCUSSION

AM1 ANTICIPATION THROUGH MIGRATION 1 – Chair: Paolo Boccagni (University of Trento)

- BOCCAGNI Paolo and Milena BELLONI (University of Trento), *Anticipation through Migration? Migration processes and policies as a source of critical insight on anticipation*
- CARLING Jørgen (Peace Research Institute Oslo), *The nature of imagined mobilities*
- DEMARIA HARNEY, Nicholas (The University of Western Australia), *Anticipation and knowledge: migration, apprehension and the uncertainty of futures*
- IBÁÑEZ-ANGULO (Universidad de Burgos), *Where is that place we called home? Anticipation and the construction of flexible return scenarios*

AM2 ANTICIPATION THROUGH MIGRATION 2 – Chair: Milena Belloni (University of Trento)

- BIERNACKA Maja, Wojciech WADOLOWSKI and Lukasz KISZKIEL (University of Bialystok), *Residential stability vs propensity to migrate. Future orientation options and its correlates*
- GOOSKENS, Imke (University of Cape Town), *“Home is where my heart belongs”: Aspiration in the lives of young Angolans living in Cape Town*
- MAHAMAT, Adam (University of Maroua, Cameroon), *Preventing African migrations: an analysis on policy making*

AN1 ANTICIPATING NATURE 1 – Chair: Rocco Scolozzi (University of Trento)

- KOSOW, Hannah (University of Stuttgart), *Telling better stories about socio-environmental futures? Forms of ‘CIB & simulation’ and their effects*
- DE BAVELAERE, Nicole H.N. (ISSS-International Society for the Systems Sciences), *Nature, master of anticipation*
- ROVERO, Francesco (MUSE-Museo delle Scienze, Trento), AHUMADA, Jorge (Betty & Gordon Moore Center for Science and Oceans, Washington DC), *The tropical ecology, assessment and monitoring (TEAM) network: an early warning system for nature*
- AHTEENSUU, Marko (University of Turku), *Stowaway assumptions in decision frameworks for the conservation of endangered species under climate change*

AN2 ANTICIPATING NATURE 2 – Chair: Alessandro Gretter (Fondazione Edmund Mach, Italy)

- GIOVANNINI, Lorenzo (University of Trento), *High-resolution forecasts of the thermal comfort in the urban area of Trento*
- CIOLLI Marco, IANNI Elena, ZATELLI Paolo, GENELETTI Davide, TATTONI Clara (Università di Trento), Elena Ianni, (Universidad Nacional Autónoma de México), *Landscape changes and future scenarios in the Alps: a holistic ecological approach.*
- OLMEDO, Marcela (Kent University), *The role of knowledge, network and sense of community in building anticipation capacity for natural risk management*
- MIKOVA, Nadezhda (Institute for Statistical Studies and Economics of Knowledge, Moscow), *Climate change and our future: anticipating trends and challenges*

AN3 ANTICIPATING NATURE 3 – Chair: Emanuele Eccel (Fondazione Edmund Mach, Italy)

- LOW, Sean (Institute for Advanced Sustainability Studies, Potsdam), *Solar radiation management: foresight for governance (SRM4G)*
- BLAL, *Predicting the impacts of multi-purpose watershed management: the case of soil erosion control and poverty alleviation in the Upper Anseba Watershed (Eritrea)*
- POPE, Lexi (University of Georgia), *Anticipating future socio-environmental change in Taveuni, Fiji*
- RIZZOLI, and ROSÀ (Fondazione Edmund Mach, Italy), *Global changes and the emergence of zoonotic diseases: what's next?*

AS1 ANTICIPATION IN ECONOMIC STRATEGIES 1 – Chair: Liisa Valikangas (Aalto University)

- ÇEPNI, Elif (Bahcesehir University, Istanbul), *The possible scenarios of using foresight in economic thought schools*
- KLESNIAK-LEBKOWSKA, Grażyna (Warsaw School of Economics), *Evolving global challenges impact on business strategies and education from 2015 to 2050*
- ALLOING Camille, and Nicolas MOINET (University of Poitiers), *'Economic intelligence': from weak signals to weak signs - The share of communication in anticipation*
- DELLA VALLE Nives and Chiara D'ARCANGELO (University of Trento), *Information determining expectations through self-control in intertemporal decisions*

AS2 ANTICIPATION IN ECONOMIC STRATEGIES 2 – Chair: Elif Cepni (Bahcesehir University)

- KORHONEN, Anne M., Liisa VÄLIKANGAS and Ilkka TUOMI (Aalto University), *Active waiting as an anticipatory strategy - toward four practices in the creation of a business ecosystem*
- ATHAYDE, Ezequiel (UOL, Brasil), *Economic anticipation theory*
- PESCHL Markus F. and Thomas FUNDNEIDER (University of Vienna), *From predicting the future to enabling 'thinking from the future as it emerges'*
- SUNDQVIST, Henna, Anna AMINOFF, Maria ANTIKAINEN, Outi KETTUNEN and Mikko DUFVA (VTT Technical Research Centre of Finland Ltd), *Towards circular economy – enhancing anticipatory decision-making in organizations by gamification*

BF1 BRING FORTH FUTURES 1 – Chair: Mark Swilling (Stellenbosch University)

- POPOVICH, Mila (World Academy of Art and Science), *Bring forth Futures: Anticipation for Culture Making and World Building in the 21st C.*
- GÖPEL, Maja (Wuppertal Institute), *Towards transformative literacy: the role of mindshifts in system innovations*
- GUTENSCHWAGER, Gerald A. (Washington University), *Collective anticipation: art or science, or both?*
- CIDÁLIA F., Silva (University of Minho), *Anticipating the unexpected: between desire and alchemy*

BF2 BRING FORTH FUTURES 2 – Chair: Mila Popovic (World Academy of Art and Science)

- HAJER, Maarten (University of Amsterdam), *Next economy*
- KOENIG, Phillip and Pierre-Antoine BARAILLE (Praneo), *Discipline of anticipation*
- HITCHERT, Tanja (Hitchert & Associates Ltd), *Novelty as a component of using the future (in Africa)*
- STEWARD, Chip (CUNY), *Anticipation in librarianship: the interplay of texts, agendas, and creativity*

BF3 BRING FORTH FUTURES 3 – Chair: Mila Popovic (World Academy of Art and Science)

- SWILLING, Mark and John Van BREDA (Stellenbosch University), *The contribution of transdisciplinary research to anticipatory thinking: a global South perspective*
- SNOWDEN, David (Cognitive Edge Pte Ltd.), *From anticipation to triggering anticipatory awareness*
- BOOK PROJECT DISCUSSION

CC1 NEAR FUTURE AS CULTURAL CONSTRUCT 1 – Chair: Marco Bassi (University of Trento)

- CHOWDHURY, Nusrat S. (Amherst College), *Mines and signs: resource and political futures in Bangladesh*
- WESZKALNYS, Gisa (London School of Economics), *'Road belong oil'? Speculating, waiting, and anticipating in a prospective oil economy*
- DEKA, Maitrayee (University of Milan), *Anticipating a new politics in the electronic bazaars in Delhi*

- ODOK, Godwin (Federal University Dutsin-Ma, Nigeria), *Schooling and anticipatory 'learned helplessness' in Northern Nigeria*

CC2 NEAR FUTURE AS CULTURAL CONSTRUCT 2 – Chair: Gisa Weszkalnys (London School of Economics)

- NORTHCOTT, Michael (University of Edinburgh), *Future suffering and the ethics of climate change mitigation*
- KAUR, Gurinder (India), *"... in anticipation for your blessings": doctor, healer and God*
- BASSI, Marco (University of Trento), *Prophecy as practice of anticipation*
- ILMIN, NAH and Jhonny Antonio PABÓN CADAVID (Université Paris Ouest and Universidad Externado de Colombia), *Towards new imaginations of museum practices through heritage anticipation*

CV COMMUNITIES OF VISION – Chair: Heather Moore

- MOORE, Heather A., Magnus BOMAN and Pedro SANCHES (The Shape of Things, Berlin, KTH, Stockholm), *Principles in forming communities of vision, practice and foresight*
- WEIG, Doerte (CSIC-IMF Barcelona), *The moving body: changing our perception to anticipate new vision*
- ADEYEYE Kemi and Maarten Willems (University of Brighton and Eindhoven University of Technology), *In anticipation: the renaissance of the architectonics for the events 'without'*
- BLUHM, Roland (Dortmund University), *The epistemic value of utopias and dystopias*

DA1 DESIGN AND ANTICIPATION 1: Transdisciplinary approaches: Theory – Chair: TBA

- KOLTIC, Nicole (Drexel University-Westphalia), *Autonomous botanists*
- PLATZ, Axel and Marc HASSENZAHL (Siemens AG, University of Essen), *Designing the future: from knowledge of change to an understanding of constants*
- NABONI, Roberto and Mariela TSOPANOVA (Politecnico di Milano), *Performance-based architecture. Learning from Nature's anticipatory models*

- TROMP, Nynke (TU Delft), *Design on the basis of anticipated behavioural effects and long-term social implications*

DA2 DESIGN AND ANTICIPATION 2: Transdisciplinary approaches: History – Chair: TBA

- KEMP, Sandra (Imperial College – UK), TBA
- FRANCESCHINI, Silvia (Politecnico di Milano), *Global tools. For an archeology of the future*
- FERRARA, Marinella and Chiara LECCE (Politecnico di Milano), *Future visions from the 1939: two different approaches*

DA3 DESIGN AND ANTICIPATION 3: Design fiction – Chair: TBA

- MORRISON, Andrew and Janike KAMPEVOLD LARSEN (AHO - Oslo), *Personas and projections. A lyrical essay on facing climate change via design fiction*
- DENISON, E. Scott (Ohio State University), *Ubiquitous surveillance. A crowd-sourced, design fiction provocation*
- KERSPERN Bastien and HARY Estelle (Design friction), *Reanticipation: iterative design fiction*
- MICHURA, Piotr and Stan RUECKER (), *Janus-faced anticipation in designing novelty*

DA4 DESIGN AND ANTICIPATION 4: Scenario Building – TBA

- CORUBOLO, Marta, Francois JEGOU and Anna MERONI (Politecnico di Milano, SDS Strategic Design Scenarios), *Shaping sustainable lifestyles in 2050: co-design processes as enablers of social conversations*
- COLOMBI Chiara and Danila ZINDATO (Politecnico di Milano, University of Houston), *Approaches and tools for building anticipation within design processes*
- FÉLIX, Maria João (Polytechnic Institute of Cávado and the Ave Barcelos, Portugal), *Noetic design. New products and connections between the brain and its infinite answers*
- GUIMARÃES PEREIRA, Ângela, Alba L'ASTORINA, Alessia GHEZZI and Irene TOMASONI (European Commission - DG Joint Research Centre, IREA – Consiglio Nazionale delle Ricerche), *Imagining food: a participatory journey to think and tinker with the future of food @ the EXPO 2015 in Milan*

DA5 DESIGN AND ANTICIPATION 5: Applications in design field/Advanced design – Chair: TBA

- FLORES, Roberto Iñiguez, Bernabé Hernandis ORTUÑO, Ruth Maribel LEÓN MORÁN and Carmelo DI BARTOLO (Tecnológico de Monterrey, Guadalajara, México, Universitat Politècnica de Valencia, Université de Montréal), *Tracking Advanced Design attributes. The case of seat innovation at Fiat cars*
- VACCA, F., A. PENATI and V. IANNILLI (Politecnico di Milano), *The future of retail design study. Imageries as anticipatory tools in global culture*
- ALBINO, Cláudia and Rui RODA (Universidade de Aveiro, Campus Universitário de Santiago Escola da Indústria Criativa - UNISSINOS), *Design and crafts: a scenario for a virtual dialogic platform*

DA6 DESIGN AND ANTICIPATION 6: Applications in design field/Advanced design – Chair: TBA

- FRANZATO Carlo, Ione BENTZ and Chiara DEL GAUDIO (UNISINOS), *Metadesign: fostering design within the processes of the future*
- ARQUILLA, Venanzio and Annalisa BARBIERI (Politecnico di Milano), *Design as enabler of anticipatory systems: the MakeinProgress case study*

DM DECISION MAKING, COMMUNICATION AND ANTICIPATION – Chair: TBA

- BRUNET, Sébastien (University of Liège), *Decision-making and anticipation: what is the role of public administration?*
- LEROY, Pieter and Sietske VEENMAN (Radboud University Nijmegen), *Anticipatory governance: theories of change in environmental outlooks*
- BERTOLOTTI, Marco and Patrizia CATELLANI (Catholic University of Milan), *Framing the future: The effects of message framing in political communication on climate change policies*
- COMPAGNI, Jose Maria (FEFAP – Foundation for Education and Training in Political Anticipation), *Towards a more democratic educational system through the use of ICT*

EA1 EDUCATION AND ANTICIPATION 1: Design – Chair: Keri Facer

- DUGGAN, James R. (Manchester Metropolitan University), *'Everybody Loves Robots': Founding community engagement of young people and digital futures on enchantment*

- LITTLEJOHN, Deborah (North Carolina State University), *Anticipation and action in graduate-level design programs: Building a theory of relationships among academic culture, professional identity and the teaching environment*
- LIANAKI-DEDOULI, Irianna and Jacques PLOUIN (UNESCO), *Anticipation as a skill to reinforce the intercultural competences of global citizens*
- SUBRAMANIAN, Mathangi (UNESCO), *Educational futures: a complex adaptive systems approach*

EA2 EDUCATION AND ANTICIPATION 2: Hope – Chair: Johan Siebers

- AMSLER, Sara and Keri FACER (University of Lincoln and University of Bristol), *Democratic education in the age of anticipation*
- GAYA, Patricia (University of Bristol), *Wild Margins*: Artfully transgressive educational spaces and prefigurative practice for post-capitalist imaginaries*
- OJALA, Maria (Uppsala University), *Anticipation related emotions of hope and worry concerning global climate change: promoting emotional awareness in education for a sustainable future*
- BIESTA, Gert (Brunel University), *Asking the impossible: working with the unforeseen in teaching*

EA3 EDUCATION AND ANTICIPATION 3: Practice – Chair: Patricia Gaya

- DELGADO, Patrícia Santos, Rita DE CASTRO ENGLER and Pier Paolo PERUCCIO, *How should schools prepare designers to the future?*
- ODELLA, Francesca (University of Trento), *Social sciences and the design of tools for future learning*
- OJASALO, Katri, Johanna HAUTAMÄKI and Outi TÖRMÄNEN (Laurea, Centria and Lapland Universities of Applied Sciences), *Higher education in the future: creating scenarios for cooperation between Master level education and working life in the year 2025*
- BISHOP, Peter (University of Houston), *Teach the future*

EA4 EDUCATION AND ANTICIPATION 4: Planning – Chair: Sara Amsler

- DE SOUZA, Ângelo Ricardo (Federal University of Parana), *The educational policy planning: the insufficiency of future perspective in the Brazilian new Education National Plan*

- OPESEYI, Caleb (Directorate of Youth & Community Practices, Lagos), *Anticipation: optimizing decisions off risks, uncertainties for projective-analysis in school organizational management*
- SALINI, Deli (Swiss Federal Institute for Vocational Education and Training SFIVET - Lugano), *Anticipation dynamics in professional development consulting in France*

ED EDUCATION – Chair:

- HALE, Alex (Royal Commission on the Ancient & Historical Monuments of Scotland), *Anticipating the River Clyde as an educator*
- LALOV Bojan (Technical University, Sofia), *Creating anticipative possibilities – goal and essence of the educational process*

FA1 FICTIONS AND THE ARTS 1 – Chair: Andrew Horton (University of Oklahoma)

- ALBERTAZZI, Liliana and Iacopo HACHEN (University of Trento), *Anticipatory processes in nature, perception and arts*
- MOLLON NOVA (EnsadLab, Telecom ParisTech; HEAD-Geneva, Near Future Laboratory), *What is fictional in design fiction?*
- DE PETRIS, Linus and Peter GIGER (Blekinge Institute of Technology), *Anticipation and techno-aesthetic æffect*
- LOVE, Cyprian (Glensdal Abbey), *The future and human soundscape*

FA2 FICTIONS AND THE ARTS 2 – Chair: Liliana Albertazzi (University of Trento)

- STEWART, Christopher (University of Technology Sydney), *Anticipatory conflict: photography, architecture, war*
- GARDASHUK, Tetiana and H. SKOVORODA (National Academy of Sciences, Ukraine), *Bioart: challenging nature, improving nature or threatening nature?*
- PAURA, Roberto (Italian Institute for the Future), *Science fiction and anticipation: a contribution to futures studies and foresight practices*
- RAUSCHER, Anna (University of Frankfurt), *Signs for the future. Visual and verbal anticipations of environmental issues*

FA3 FICTIONS AND THE ARTS 3 – Chair: Christopher Stewart (University of Technology Sydney)

- HORTON, Andrew (University of Oklahoma), *How many borders do we have to cross to get home? The films of Theo Angelopoulos*
- PICCINI, Angela (University of Bristol), *ArchaeoCube: An Anticipatory Cinema Archaeology*
- TESSAROLO, Mariselda and Eleonora BORDON (Padua University), *Anticipation and creativity in art*
- RICCIONI, Ilaria (Free University of Bozen), *The anticipation of postmodern complexity in the social action of avant-garde movements of the Early Nineteenth Century*

FD1 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS 1: Sustainability in design and architecture – Chair: TBA

- BELLINI, Oscar Eugenio and Andrea PITTONI (Politecnico di Milano), *Slums recovery: bamboo self-build shelters. A low-cost and low-tech challenge*
- TROTTA, Maria Giovanna (Tecnológico de Monterrey, Campus Guadalajara México), *EAD Extreme adaptive design methodology for climate change*
- FAGNONI, Raffaella and Mosè RICCI (Università di Genova), *The future is backwards. Re-cycle as destiny*

FD2 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS 2: The city of tomorrow – Chair: TBA

- ROTARU, Irina (Politecnico di Milano), *Design & Anticipation. Envisioning the City of Tomorrow*
- DIOGUARDI, Gianfranco (Fondazione Dioguardi), *Advancements of the recovery scenario, conservation and city government*
- VENTURINI, Gianpaolo (New Generation), *Our cities*
- CIARAMELLA Andrea (Politecnico di Milano), *Flexible design and workspace change*

FD3 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS3: Design education – Chair: TBA

- DOUGAN, Brian (American University of Sharjah), *Anticipation moderated*
- DURÁN QUEZADA, Georgina and Patricia HERNÁNDEZ NAVARRO (Universidad Iberoamericana Mexico City, Design Department. Graphic Design Degree), *Empathy as a method to foresee the future*
- STEAD, Michael (Lancaster University), *How might future decentralised physical-digital product design & production practices benefit environmental sustainability?*

FD4 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS 4: Design education – Chair: TBA

- OSTUZZI, Francesca and Walter DEJONGHE, *Cybernetics and sustainability: a case study in higher education*
- ROJAS MORALES, María Eugenia (Universidad Iberoamericana, Ciudad de México), *Design education: a change of heart*
- CAMMARATA BARONE (Politecnico di Milano), *Sanctuaire Notre-Dame de Lourdes (FR) BIM model. A low cost experimental didactical project for the simulation of possible future scenarios*
- ROSELLI, Claudia, *People, spaces and imaginary landscapes*

FD5 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS 5: Neurosciences and perception – Chair: TBA

- STEENBLIK, Ralph (Atelier of digital design), *Toward an anticipatory architecture*
- BUIATTI, Eleonora and Beatrice LERMA (Politecnico di Torino), *Sensory evaluation of hedonic attributes. Innovation of product's perception*
- ASCIONE, Giuseppina and Nicola DE PISAPIA (University of Trento), *Towards a neuroscience-based and architecture-driven care of self*

FD6 FUTURES IN DESIGN AND ARCHITECTURE PRAXIS 6: Assessment of impacts – Chair: TBA

- VANNICOLA, Carlo and Silvia PERICU (University of Genoa), *Me.Design_Mediterranean's shapes*
- MUSSINELLI, Elena and Fabrizio SCHIAFFONATI (Politecnico di Milano), *The environmental assessment: strategies, tools, technological project predictions*
- VIOLANO, Antonella (Second University of Naples) et al., *House like a tree: technological design for future*
- TUCCI, Fabrizio (University La Sapienza, Rome), *The future of residential buildings in Mediterranean climate: bioclimatic design, low energy, zero emissions*

FS1 FUTURES STUDIES 1 – Chair: John Sweeney (Centre for Postnormal Policy and Futures Studies)

- GOTSEVA, Roumiana (Center for Strategic Foresight, Sofia), *Anticipatory leadership: praxis for individual and collective action under uncertainty and complexity*

- WALLENBORN, Grégoire (Université Libre de Bruxelles), *Planning and foresight as two heterogeneous and complementary modes of thought*
- KIENEGGER, Manuela, Marianne HÖRLESBERGER and Susanne GIESECKE (Austrian Institute of Technology, Vienna), *From foresight to anticipation*
- AMINI, Faruch (Freie Universitaet Berlin), *Forecast and structured analytic techniques*

FS2 FUTURES STUDIES 2 – Chair: Roumiana Gotseva (Center for Strategic Foresight, Sofia)

- LAURÉN, H. L. M. and Jorgelina CAPACCIO (Finland Futures Research Centre and Universidad de Buenos Aires), *Anticipation lost in translations*
- ROSSEL, Pierre (ETH, Lausanne), *Foresight undermined by its most usual suspects: the ordinary production of biases by foresighters*
- ROLLWAGEN, Ingo (Deutsche Bank), *Anticipation design: Exploring the next generation of future shaping — best practices and pitfalls/ramifications and emerging (success) criteria in making/thinking the future*
- DESTATTE, Philippe (Destree Institute), *The bifurcation method*

FS3 FUTURES STUDIES 3 – Chair: Philippe Destatte (Destree Institute)

- SAHL, Sahi (Houston), *Compare and contrast foresight methodologies*
- SOKOLOWA, Anna (Higher School of Economics, Russia, Moscow), *Identification of weak signals and wild cards: stages, methods, criteria*
- BEECROFT, R. and I. C. SCHMIDT, *Scenario mapping as a ‘third way’ of scenario thinking*
- MASOUMI, Mahestan and Victor Vahidi MOTTI (Refah Bank, Iran and Executive Board, World Futures Studies Federation), *Futures studies and creative anticipation in Iran banking industry*

FS4 FUTURES STUDIES 4 – Chair: Pierre Rossel (ETH)

- SWEENEY, John A. (Centre for Postnormal Policy and Futures Studies), *Would you like to play a game? Reflections on the role of anticipation within foresight gaming systems*

- VAN DER DUIN, Patrick, Jacintha SCHEERDER, Rene HOOGERWERF and Silke DE WILDE (Delft University of Technology, University of Amsterdam, and BAM Infraconsult), *The Dutch 'Horizon scanning 2050'. Signaling and challenging futures*
- FULLER, Ted and Maya VAN LEEMPUT (Lincoln University), *Developing Anticipatory Effect through Anticipatory Affect*
- MOGALE, Ramadimetja, Fhumulani MULAUDZI and Maretha DE WAAL (University of Pretoria), *Cultural Safety and Sensitivity as the core Ethical Responsibilities in Virtual Discussion Forum: A Case Study at University of Pretoria*

FS5 FUTURES STUDIES 5 – Chair: Victor Vahidi Motti (Executive Board, World Futures Studies Federation)

- CORSI, Patrick and Pierre MASSOTTE (IKBM Sprl Gérant, Brussels and Institut de l'Innovation et du Développement, Mauguio), *On the physics of anticipation*
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