

TOMORROW'S CHILDREN BETWEEN LIVING WORLDS AND DIGITAL SPACES

A 4-day workshop exploring the future of childhood through art and science
Thursday, June 20 (7pm) to June 24, 2024 (4pm)

Centre Culturel International de Cerisy

SYNOPSIS OF THE WORKSHOP

Digital technology is today a part of the everyday lives of children from the early years on. Its rapid development is changing some of the ways in which we communicate and even relate to each other. Could the spread of digital technology and, in particular, of so-called artificial intelligences change the way children relate to the world, to other people, objects and other species? Will it change the way parents and babies form their earliest bonds, which are embodied and polysensory? Will the children of tomorrow have robot teachers and robot nannies? Will they also be more concerned by and involved with organic life? Is digital technology part of a "natural" evolutionary process or is it at odds with the very foundations of a developing human mind?

Whatever it is that the future of digital technologies has in store, the current zeitgeist surrounding this rapid technological change is fraught with uncertainties and anxieties. Developmental psychologists and neuroscientists have discovered that infants learn to think and speak through embodied engagement with other people and their cultures. It is thus legitimate to ask ourselves today what new forms of individuation and socialization the increasingly *social* digital media announce for the children of tomorrow. What ecology of relationships is required to continue the human story, which is above all a story of social bonds and social intelligence?

In a world that no longer appeals to our embodied senses in the same way, how will we continue to ensure children's needs for attention and physical presence and to support multiple modes of face-to-face and body-to-body engagement?

By combining the perspectives of researchers working within various scientific fields and those of artists looking for sensitive points of connection between organic and digital spaces, this workshop aims to identify new paths for reflection and action in the face of urgent questions posed by current technological transformations and by those of an already discernible future. Its format will encourage us to think together through discussion and debate inspired by leading scientists as well as through practice inspired by performance artists, musicians and film-makers.

Main ideas and questions that emerge during the 4 days will be captured in the form of short filmed interviews, podcasts and accessible texts and shared widely with scholars, therapists, laypeople and children.

DETAILED PROGRAMME

THURSDAY JUNE 20 – PRESENTATION OF CERISY, THE WORKSHOP AND PARTICIPANTS

9pm Welcome and presentation of the workshop aims and of program

FRIDAY JUNE 21 - SOCIAL ECOLOGIES: THE DEVELOPMENT OF HUMAN BONDS

Morning

9:30-10:40

Introduction by the workshop organizers

Bahia Guellaï (University of Toulouse): Everything you wanted to know about newborn babies (15')

Maya Gratier (University of Paris Nanterre): Rhythm and voice as warp and weft of early social bonds (15')

Louise Goyet (University of Paris Saint Denis): Language, emotion and relationship in the first years (15')

Valeria Lumbroso (filmmaker): Filming early social bonds (15')

11-12:30

A mind for sociality

Vasu Reddy (University of Portsmouth & ceramicist): Openness in infancy (25')

Elias Garcia-Pelegrin (University of Singapore): Action and interaction in diverse species and other taxa (25')

Conversation hosted by Maya Gratier with Vasu Reddy & Elias Garcia-Pelegrin

Intersubjectivity and interobjectivity: Thinking of connectedness as a common generative field (40')

Afternoon

A socratic approach to the future: exchanges with youngsters

1:30 p.m.: Coffee in the barn and welcome of the students from a local middle-school (college Anne Heurgon Desjardins)

2 pm to 2:45 pm: Outdoor conversations with the schoolchildren in small groups

2.45pm - 3.30pm: Collective debriefing on the conversations

3:30 pm - 5 pm

Towards a transformation of our sociality?

Drina Candilis-Huisman (Université Paris Cité et independent practice): "She gets angry": Parents and children in a changing world (25')

Nina L. Powell (University of Singapore): The development of a moral sense and the possible implementation of machine morality (25')

Conversation hosted by Bahia Guellai with Nina L. Powell & Drina Candilis: What transformations of sociality are we witnessing today? (40')

5:30 – 7:15 Visit of the château & discovery of the park

9 pm-10:30 pm

Projection/Discussion

Valeria Lumbroso & Maya Gratier: Films : Tisser des liens / Une cabane à demeure (with the Compagnie Les Bruits de la Lanterne)

Maria-Danae Koukouti: Research films on pottery making

SATURDAY JUNE 22 - NEW WAYS OF BEING CONNECTED, RISKS AND POTENTIALS OF DIGITAL TOOLS

Morning

09:15-11:15: Materiality and human development: the impact of digital technologies on our embodied sensory experiences

Lambros Malafouris (University of Oxford): People are STRANGE: Material engagement and the situated person perspective (25')

Katarina Fotopoulou (University College London): Social touch and homeostasis (25')

Maria-Danae Koukouti (University of Oxford): Making Mirrors : Aesthetic Experience and Narratives of Self Identification in Material Practices. (25')

Conversation hosted by Noga Arikha with Lambros Malafouris, Katarina Fotopoulou, Maria-Danae Koukouti. Is the experience of being in the world the same today as in other epochs? How do we think in a dematerialized and disembodied world? (45')

11:30-12:30

Projection/Discussion

Tereza Stehlikova: selection of experimental films

- Self-isolation Dinner, 2020
- Zoom Deep Beauty, 2021
- Scent of Zeros and Ones, 2024

Afternoon

2:30 pm – 3:15 pm - Artistic experimentations in the park

Tereza Stehlikova: Experimental workshop on inter-sensory correspondences (45')

3:30 p.m. - 5:00 p.m. - ROUNDTABLE

What place for the body in a technologically-modified environment?

Noga Arikha (European University Institute): The sense of self: the rediscovery of the body in the post-Cartesian age (20')

Didier Grandjean (University of Geneva): Making and maintaining bonds through voice (20')

Frédéric Bevilacqua (IRCAM Paris) : Multi-modal interactive sound and music systems: from artistic projects to rehabilitation (20')

Conversation hosted by Rana Esseily with Noga Arikha, Didier Grandjean and Frederic Bevilacqua (30')

5:15 pm – 6:15 pm: **Artistic experimentations with Cécile Mont-Reynaud** based on the ideas of Tim Ingold, Compagnie Lunatic,

6:15 pm -7:15 pm: **Live online conversation between Cécile Mont-Reynaud and Tim Ingold** followed by discussion.

Evening

9 pm - 10:30 pm – **presentation of a theatrical performance called "Enfant d'après-demain"** (Child of the day after) by Vincent Vergone and Compagnie Les demains qui chantent

SUNDAY JUNE 23 - FROM AN ORGANIC TO A DIGITAL WORLD: TEMPORARY ANXIETIES OR PROFOUND CHANGE?

Morning

9:15-10:45 **Growing anxieties: recognizing the sources of our anxiety-provoking zeitgeist**

Annamaria Lammel (Université Paris Saint Denis): Eco-anxiety: how do children perceive climate change (25')

Vincent Vergone (Compagnie Les Demains qui chantent): Children, art and nature in the face of technological inflation (25')

Conversation hosted by Louise Goyet, with Annamaria Lammel and Vincent Vergone

How do we navigate between well-founded concern and sensationalism in an age of eco-anxiety and fear of being dominated by artificial intelligence? How can we mobilize tomorrow's children for constructive, inspired and creative approaches? (40')

11am-12.30pm: **ROUNDTABLE**

Dancing with robots : Can we build a relationship with a robot?

Bahia Guellai (Université de Toulouse): Interacting with a robot? How are social robots inspired by humans (25')

Alex Pitti (University of Cergy-Pontoise) : How developmental psychology inspires AI development (25')

Sébastien Derégnaucourt (University Paris Nanterre): Natural and artificial song learning in birds (25')

Conversation hosted by Charlotte Pinabiaux with Bahia Guellai, Alex Pitti and Sébastien Derégnaucourt (30')

Afternoon

2:30 pm - 3:15 pm **Experiencing huts** with Catherine Morvan and Jean-Claude Oleksiak, Compagnie Les Bruits de la Lanterne

3:30 pm - 5:00 pm: **Robots and the ecology of connection**

Jennifer Ang (University Singapore): Moral sense in an AI world: what are the issues for tomorrow? (25')

Serge Tisseron (psychoanalyst): The day my robot will love me : how to form bonds with robots ? (25')

Conversation hosted by Valeria Lumbroso with Jennifer Ang and Serge Tisseron

What will be the long-term effect of AI on future generations? Will we live in a hybrid world? (40')

7:00 pm - COLD BUFFET

Evening

9:00 pm - 10:30 pm – **presentation of a theatrical performance called "Enfant d'après-demain"** (Child of the day after) by Vincent Vergone and Compagnie Les demains qui chantent

MONDAY JUNE 24 - WHAT FUTURE(S) FOR OUR CHILDREN IN A WORLD OF ECOLOGICAL AND TECHNOLOGICAL CHANGE?

General discussion and closing session, moderated by the symposium organizers

9:30am-11am

Parallel workshops: Emerging issues from the workshop and joint feedback

Led by Maya Gratier, Louise Goyet and Bahia Guellai

11:30am-12:30pm

Reports of astonishment from young researchers

Lunch

2pm-4pm

Scientific and artistic materialization of the workshop

Led by Valeria Lumbroso and Maya Gratier

How to make scientific research accessible to all audiences: laying the foundations for the creation of books, films, podcasts, radio programs, etc.

ORGANIZERS

Louise GOYET

Louise Goyet is a lecturer in cognitive development psychology at the Université Paris 8 - Vincennes-Saint-Denis, and a member of the DysCo laboratory (Cognitive Functioning and Dysfunction: Ages of Life). Her research focuses on the emergence and development of language skills from a lifelong perspective. More specifically, the primary aim of her research is to identify the perceptual and cognitive processes involved in the early development of verbal and non-verbal language comprehension and production. Secondly, her research aims to study how the development of emotional language and the emotional lexicon, which emerges during childhood, affects the ability of children, adolescents and adults to identify, categorize and represent primary and complex emotions. Using different methodologies (behavioral and cerebral), she observes and studies the perceptual and conceptual development of babies and young children.

Publications

- Raynal, L., Clément, E., & Rämä, P., Sander, E & Goyet, L (submitted)' Early Analogical Extensions: Pragmatic Strategies or Category Errors? Insight from Adults' ERPs, *Journal of Experimental Child Psychology*.
- Bouayed, S. Lammel, A, Goyet, L (sous presse), "Visuospatial processing in the resolution of the Corsi test in bilinguals and monolinguals children", Chapitre Psychology Applications & Developments IX. InPACT.
- Bouayed, S. Lammel, A, Goyet, L (2023), "Visuospatial processing in the resolution of the Corsi test in bilinguals and monolinguals children", Proceedings from InPACT Conference, Apr 2023, Lisbon (Portugal).
- Gueraud, S., & Goyet, L. (2022)' "Toward Considering Emotional Skills as Academic Skills", Emotional Processes in Learning Situations, 47-71.
- Raynal, L., Clément, E., & Rämä, P., Sander, E & Goyet, L. (2021)' "Early Analogical Extensions : An ERP Study on Preschoolers' Semantic Approximations", Actes de la réunion annuelle de la Cognitive Science Society, vol. 43, iss. 43.
- Rämä, P., Sirri.L., & Goyet, L. (2018), "Event-related potentials associated with cognitive mechanisms underlying lexical-semantic processing in monolingual and bilingual 18-month-old children", *Journal of Neurolinguistics*, 47, 123-130.

Maya GRATIER

Maya Gratier is Professor of Developmental Psychology at the University of Paris Nanterre. She trained at the University of Edinburgh, Université Paris Cité and the University of California, Los Angeles, in developmental psychology, linguistic anthropology and cross-cultural clinical psychology. Her research focus is on social interactions, vocal development and the origins of musical abilities in infants. More generally, she is interested in interpersonal, sensory and sensitive coordination processes. She is deputy head of the Éthologie Cognition Développement Laboratory.

Publications

- Gratier, M. (in press), Atmosphere and intersubjectivity: lessons from photography, in Reddy, V. & Delafield-Butt, J. (Eds), *Intersubjective Minds: Rhythm, Sympathy, and Human Being*, Oxford, Oxford University Press.
- Levin, K., & Gratier, M. (2024). Rhythm and the embodied aesthetics of infant-caregiver dialogue: Insights from phenomenology. *Phenomenology and the Cognitive Sciences*.
- Jover, M. & Gratier, M. (2023). Toward a multimodal and continuous approach of infant-adult interactions. *Interaction Studies*, 24(1), 5-47.
- Saliba, S., Gratier, M., Filippa, M., Devouche, E. & Esseily, R. (2020). Fathers' and mothers' infant-directed speech influences preterm infant behavioral state in the NICU. *Journal of Nonverbal Behavior*, 44, 437-451.
- Apter, G., Devouche, E. & Gratier, M. (2019). *Early Interaction and Developmental Psychopathology*, Springer.
- Guellaï, B., Callin, A., Bevilacqua, F., Schwarz, D., Pitti, A., Boucenna, S. & Gratier, M. (2019). Sensus communis: Some perspectives on the origins of non-synchronous cross-sensory associations. *Frontiers in psychology*, 10, 523.
- Gratier, M. & Filippa, M. (2018). Music creative processes in infants and children, in N. Donin (Ed), *Oxford Handbook of the creative process in music*. Oxford University Press.
- Gratier, M., Devouche, E., Guellaï, B., Infanti, R., Yilmaz, E., & Parlato-Oliveira, E. (2015). Early development of turn-taking in vocal interaction between mothers and infants. *Frontiers in psychology*, 6(1167), 236-245.
- Gratier, M., & Trevarthen, C. (2008). Musical narrative and motives for culture in mother-infant vocal interaction. *Journal of Consciousness Studies*, 15(10-11), 122-158.

Bahia GUELLAI

Bahia Guellai is professor of developmental psychology at the University of Toulouse Jean Jaurès, attached to the CLLE laboratory and a member of Babylab Toulouse. She has been a junior member of the Institut Universitaire de France since 2021. Her work focuses on the development of social-cognitive skills in young children, from birth to age 6. More recently, she has developed a multidisciplinary approach to the study of the development of child-robot interactions, in collaboration with roboticists, philosophers and ethologists, and in partnership with colleagues at the National University of Singapore as part of the DesCartes project.

Publications

- Derégnaucourt, S., Araguas, A., & Guellai, B. (2022), Technological advances for getting insight into the learning capacities of birds in the vocal domain and in the auditory domain, *Interaction Studies, Special Issue "Animal-Computer Interfaces"*.
- Guellai, B., Somogyi, E., Esseily, R., & Chopin, A. (2022), Effects of screen exposure on young children's cognitive development: A review, *Frontiers in Psychology*, 4779.
- Guellai, B., & Streri, A. (2022), Mouth Movements as Possible Cues of Social Interest at Birth: New Evidences for Early Communicative Behaviors, *Frontiers in Psychology*, 2523.
- Araguas, A., Guellai, B., Gauthier, P., Richer, F., Montone, G., Chopin, A., &
- Derégnaucourt, S. (2022), Design of a robotic zebra finch for experimental studies on developmental song learning, *Journal of Experimental Biology*.
- Guellai, B., Esseily, R. (2024), *Psychologie du développement*, Armand Colin (2nd edition).

Valeria LUMBROSO

Valeria Lombroso is a writer and director of documentary films, director of the production company Créalis Medias, and founder of the Academy of Child Development (Acadeven). She began her career with films on art and science, including "Le Siècle Stanislavski" (Arte - Prix Léonard de Vinci - 1992), "Samuel Beckett" (France 3 - Prix de la Procirep - 1996), "La Saga des Nobel" (France 5 - Prix du Sénat- 1997), "Un siècle de découvertes" (France 5 - Prix du film scientifique d'Orsay, 2001). Since the 2000s, she has directed films and documentary series for France 5 and Arte, shot from a child's perspective, with an ethological eye: "L'enfance pas à pas", "Les premiers pas vers l'autre", "Planète Autisme", "Entre toi et moi, l'empathie". She has produced and directed several series of short programs for Maison des Maternelles, including "Les premiers liens", "Amitiés entre enfants", "1000 jours pour grandir", as well as the series "Handicap agir tôt" for the eponymous prevention campaign. Since 2019, she has continued her work exploring the landscapes of childhood with the web series "Tisser des liens", "De retour à la maison", "Allaiter et prendre soin de son bébé", "Eval Mater", "Les cercles d'empathie". With her Qualiopi-certified training organization, she produces e-learning and organizes virtual classes and face-to-face training courses in several regions of France and for the European Parliament.

Publications

- Lombroso V., Gratier M., Simeoni U., *L'odyssée des 1000 premiers jours*, Eds Marabout (2022).
- Lombroso V., Contini E., *Premières années, premiers liens*, Preface by Boris Cyrulnik, Eds Nathan (2007), Eds De Boeck (2010).
- Lombroso V., Contini E., *Marcher, parler, jouer, les années clé du développement de l'enfant*, Foreword by Serge Tisseron, Eds Nathan (2008), Eds De Boeck (2010).

SCIENTIFIC COMMITTEE

Drina Candilis-Huisman : Psychologist, Psychoanalyst and Lecturer, Paris

Sébastien Derégnaucourt : Professor of Ethology, Nanterre

Rana Esseily : Professor of Developmental Psychology, Nanterre

Charlotte Pinabiaux : Professor of Neuropsychology, Nanterre

Vincent Vergone : Artist, Paris

SPEAKERS AND ARTISTS

Jennifer ANG

Jennifer ANG is an Associate professor of philosophy at the Singapore University of Social Sciences. She is the author of *Sartre and the Moral Limits of War and Terrorism* and a forthcoming book, *The Unforgiveness of Injustice*. She has published articles on topics including humanitarian interventions, moral injury, forgiveness and self-forgiveness, existentialism and well-being, and joint responsibility. Her current research aims to investigate new understandings of the philosophy of technology/AI and the philosophy of space in data-driven cities.

Noga ARIKHA

Noga Arikha is a philosopher, historian of ideas, and essayist. She is the author of *Passions and Tempers: A History of the Humours* (Ecco/HarperCollins, 2007), *The Ceiling Outside: The Science and Experience of the Disrupted Mind* (Basic Books, 2022), of an upcoming biography of anthropologist Franz Boas (Yale University Press), and of numerous essays. She works across disciplinary borders as a "science humanist", fostering dialogues between neuroscience & psychology, humanities, arts, and social sciences. An Associate Fellow of the Warburg Institute (where she obtained her PhD in 2001), and a Researcher of the Institut Jean Nicod (Paris), she is currently a Visiting Fellow at the European University Institute, Florence.

Frédéric BEVILACQUA

Head of the Sound Music Movement Interaction team at IRCAM in Paris, which is part of the joint research lab Science & Technology for Music and Sound (Ircam – CNRS UMR 9912 – Sorbonne Université). Frédéric Bevilacqua's research concerns sound, music and movement interaction, from modeling to applications in music, dance, pedagogy, gaming and rehabilitation.

Drina CANDILIS-HUISMAN

Drina Candilis-Huisman is a psychologist, psychoanalyst and lecturer at the University of Paris Diderot. A lecturer and researcher at the Clinical Humanities Department, her work focuses on perinatal issues, and more specifically on the desire for children and childbirth. She is also a Brazelton scale trainer. For 10 years, she worked alongside Edith Thoueille and Martine Vermillard at the Institut de puériculture de Paris on a specific approach to parenthood for people with sensory and motor disabilities. She is the author of *"La main qui voit, observation d'un bébé voyant et de sa mère aveugle"* (*Enfance et psy*, Numéro spécial sur le regard, 2008), *"Psychopathologie du travail "utérin" de l'accouchement"* (*Maternités traumatiques*, edited by Jacques André, Paris, PUF, 2010) and *« Meeting with TB.Brazelton, Ce que nous apprennent les bébés »* (Toulouse, Erès, 2011).

Sébastien DEREGNAUCOURT

Sébastien Derégnaucourt is professor of ethology at Paris Nanterre University and director of the Ethology Cognition Development Laboratory. He has been president of the Francilien Institute of Ethology since 2023. He was a junior member of the Institut Universitaire de France from 2013 to 2018. Since the start of his scientific career, he has specialized in the study of vocal communication in birds. During his postdoctoral stays at the City College of New York and at the Max Planck Institute in

Seewiesen (Germany), he was mainly interested in vocal transformations during ontogeny, and his research focused in particular on the effects of sleep and melatonin on vocal learning. Since his recruitment in 2011 at Paris Nanterre University, he has decided to focus his research around two questions concerning the origins of vocal learning: 1) why are certain species capable of vocal imitation? 2) How can their social environment affect their vocal production? He is currently the coordinator of an interdisciplinary program funded by the ANR aimed in particular at developing robots as singing tutors for young birds.

Rana ESSEILY

Rana Esseily is professor of developmental psychology at Paris Nanterre University and member of the LECD (Ethology, Cognition, Development Laboratory). She was a junior member of the IUF (2016-2021). His research focuses on the development of social cognition between 1 and 6 years old. She is particularly interested in the links between the learning and cooperation process and interactional factors such as humor, synchronization in interactions or twinship.

Aikaterina FOTOPOULOU

Aikaterini (Katerina) Fotopoulou is professor of psychodynamic neuroscience at University College London (UCL). She studied psychology in Athens, Greece, before completing her MSc degrees in cognitive neuropsychology and theoretical psychoanalysis at UCL, UK. She went on to conduct her PhD in cognitive neuroscience at the University of Durham, UK and more recently, a Clinical Doctorate in Existential Counselling and Psychotherapeutic Psychology at the NSPC, UK, leading to her registration with the British Psychological Society and the UK's Health Professions Council. She is currently in private practice in North West London. Katerina's research aims to understand the interface between mental and somatic health and ultimately advance the treatment of related health disorders, including unawareness following a stroke, functional motor and eating disorders. Katerina has published more than 100 papers (see below for full list) and edited the volume Fotopoulou, A. Conway, M.A. Pfaff, D. *From the Couch to the Lab: Trends in Psychodynamic Neuroscience*. Oxford University Press, 2012.

Elias GARCIA-PELEGRIN

Elias GARCIA-PELEGRIN is a professor specializing in animal behavior at the National University of Singapore. His research primarily focuses on studying how non-human animals anticipate human movements and whether these expectations influence their decision-making processes when observing human actions. Prior to his current position, Elias completed his PhD at the University of Cambridge, where he also lectured on the evolution of cognition in primates within the Archeology Department. He is also a founding member of the ManyBirds© initiative, a collaborative open science platform dedicated to research on avian cognition and behavior. Additionally, Elias is Director of the Animal Behavior and Cognition Laboratory in partnership with Mandai Wildlife Reserves in Singapore.

Didier GRANDJEAN

Didier Grandjean is full professor at the Department of Psychology and Educational Sciences and at the Swiss Center for Affective Sciences at the University of Geneva. He achieved his thesis in 2005 under the direction of Klaus Scherer about the dynamic of appraisal processes using electroencephalographic methods. He published more than 150 peer reviewed articles in international scientific journals in psychology and neuroscience about emotional processes related to emotional prosody perception and production, appraisal processes, the emergence of feelings, music and emotion, olfaction and emotion, and emotional facial expression perception and production.

Tim INGOLD

Emeritus Professor of Social Anthropology at the University of Aberdeen, Fellow of the British Academy and the Royal Society of Edinburgh, Tim Ingold has conducted groundbreaking research at the interface between anthropology, archeology, art and architecture. He is the author of many books widely read across the world, including "The life of lines", "Being Alive: Essays on Movement, Knowledge and Description" and "Anthropology And/as Education". His latest book "The rise and fall of generation now", published in 2023, deals with collaboration and learning across generations in the face of a rapidly changing world.

Maria Danae KOUKOUTI

Maria Danae Koukouti is Research Associate at the Institute of Archaeology, University of Oxford, UK and has studied social anthropology at the University of Cambridge. She is co-author (with L. Malafouris) of "An Anthropological Guide to the Art and Philosophy of Mirror Gazing" Bloomsbury (2020). She has published her work in the Journal of Consciousness Studies and Multimodality & Society.

Annamaria LAMMEL

Annamaria Lammel is Professor Emeritus at the University of Paris 8, affiliated with the Laboratoire Paragraphe. She has a triple training in anthropology, cognitive psychology and linguistics (Eötvös Lorand University of Sciences in Budapest, EHESS in Paris, Carleton University in Ottawa). Her research focuses on the influence of culture and the bio-physical environment on human development, notably in the field with the Totonagues Amerindians in Mexico, the Inuits in Canada, as well as in the French overseas territories and the Paris region. This work has identified the transition from a "natural" to a "technological" childhood, and the emergence of "cyborg-children". She has studied children's perceptions of climate change, their adaptive capacities and their feelings about environmental threats. She is the lead author of the last two IPCC reports and a UN-appointed expert on global environmental prospects.

Lambros MALAFOURIS

Lambros Malafouris is Professor of Cognitive and Anthropological Archaeology at the Institute of Archaeology and Tutorial Fellow at Hertford College, University of Oxford. He is the author of How Things Shape the Mind (MIT press, 2013) and An Anthropological Guide to the Art and Philosophy of Mirror Gazing (Bloomsbury, 2020, with Maria Danae Koukouti). He has edited The Cognitive Life of Things (Cambridge 2010, with Colin Renfrew), The Sapient Mind (2009, Oxford University Press, with Colin Renfrew and Chris Frith), and Material Agency (2008, Springer, with Carl Knappett). Lambros Malafouris is currently PI of HANDMADE funded by the European Research Council (ERC).

Cécile MONT-REYNAUD, Compagnie Lunatic

Cécile Mont-Reynaud's career path takes her from architecture to circus, via theater and dance. After literary studies, she began trapeze and aerials in 1995 with the master Pierre Bergam then Michel Nowak, Zoé Maistre and Gérard Fasoli, at the same time completing studies in interior architecture and design at the Camondo School. In 1998, she mixed these experiences of space and the body within the Movement Study Laboratory, at the Jacques Lecoq theater school. She continues to draw from different complementary fields (contemporary dance, clowning, singing, gestural theater, BMC®, study of anatomy), seeking to develop in her works qualities of presence, dramaturgy, emotion and exchange. . In her first years as an aerial acrobat, she participated in the adventure of Mauricio Celedon's Teatro del Silencio, with the big top creation of Alice Underground, on tour for 4 years throughout Europe and Chile: a work of extreme emotion and gesture, which plunges her into a theatrical dimension of the circus. She also collaborated with the director Gilles Zaepffel on several acrobatic and theatrical creations at the Atelier du Plateau in Paris between 2000 and 2003, and the

composer and director Wilfried Wendling for Müller Machines in 2012-13 at the Maison de la Poetry in Paris and on national tour, alongside Denis Lavant and Kasper Toeplitz.

THE COMPAGNIE LUNATIC

The Compagnie Lunatic was founded in 2009. It creates sensitive and unique shows where aerial acrobatics, scenography and live music are intimately linked. The creations come from the collaborative collaboration between Cécile Mont-Reynaud, trained architect, aerial acrobat, author, and Gilles Fer, scenographer, lighting designer, and constructor who designs and builds all the company's original scenographies since 2002. More than just porticos for aerialists, the structures become apparatus and landscapes, to be explored from both an acrobatic and dramaturgical point of view. These intersecting universes are shared with the public in eclectic places: since 2000, the company has invested in theaters, public spaces, marquees, natural spaces, schools, early childhood structures, wastelands and other unusual places not dedicated to entertainment. Since 2012, the Company has particularly developed creation for young and very young audiences, for whom sensoriality, spontaneity and creativity take precedence, simultaneously bringing adults into the here and now.

Catherine MORVAN

Jean-Claude OLEKSIK

Jean-Claude Oleksiak (musician) and Catherine Morvan (actress and singer) defend the dissemination of rarely shown artistic works to children of all ages. They are convinced that the child must be fed with what is most original and delicate. In a world where everything is accelerating, they like to encourage children, from a very young age, to contemplate and dream.

THE COMPAGNIE LES BRUITS DE LA LANTERNE

The company Les Bruits de la Lanterne was born from the desire to create an encounter between improvised music, literature and the cinematographic image in the broad sense (silent films, animated films, living lanterns).

Charlotte PINABIAUX

Charlotte Pinabiaux's research focuses on executive disorders linked to social cognition and learning. She uses a developmental neuropsychology approach integrating different modalities of cognitive and emotional expression of brain lesions and dysfunctions in children and adolescents with atypical neurodevelopment.

Alex PITTI

Alexandre Pitti is a member of the ETIS laboratory, CNRS, CY Cergy-Paris University and ENSEA. He is a professor at ENSEA and head of the Neurocybernetics team. His research focuses on embedded Artificial Intelligence, developmental robotics; modeling of learning mechanisms in children, multimodal integration, visuomotor control, and language.

Nina POWELL

Nina POWELL is assistant-professor at the National University of Singapore. She is interested in how people process information about moral judgments and the development of cognitive reasoning used to make moral judgments. His main research questions are when, why, and to what extent people seek to mitigate the effects of their decision after making a moral judgment. More recently, she has been interested in whether acts of virtue versus acts of vice have different standards of proof, and whether it is easy or difficult to overturn an initial judgment. She thus wishes to explore the idea that morality is

asymmetrical – people can easily identify injustice, but have more difficulty identifying and trusting acts of moral goodness.

Vasudevi REDDY

Vasudevi Reddy is a Professor in Developmental and Cultural Psychology at the University of Portsmouth, UK. She grew up in India and completed her doctoral work in Edinburgh. She has been interested in everyday emotional engagements such as teasing, clowning, showing-off and feeling shy, and in their importance in both revealing and creating interpersonal awareness.

Tereza STEHLIKOVA

Tereza Stehlikova is a Czech/UK artist and educator currently based in Prague. She holds a PhD from the Royal College of Art, where she researched the tactile language of moving image. In the past she has been a senior lecturer at University of Westminster, as well as a PhD supervisor at the RCA. Stehlikova is engaged in a cross-disciplinary research, investigating how moving image can be used to communicate embodied experience, by exploring multi-sensory aesthetics and embodiment. She is a founder of Sensory Sites, an international collective based in London, generating collaborative exhibitions, installations and research projects that explore multi-sensory perception and bodily experience. She also launched an online arts journal/platform Tangible Territory, featuring essays and articles by established artists/authors from the world of arts, science, philosophy, all centred around the role our senses play in creating meaning in art and life.

Serge TISSERON

Serge Tisseron is a psychiatrist, holds a Ph.D. in psychology and is a member of the Academy of Technologies. He produced the first thesis in the form of a comic strip (1975), then discovered the secret of Hergé's family only from reading Tintin albums (1983). In 2007, he imagined the benchmarks "3-6-9-12, to tame screens", supported by the association "Trois, Six, Neuf, Douze", and the theatrical activity called "Jeu des Trois Figures" for develop empathy from kindergarten to 6th grade, supported by the French Ministry for Education. In 2008, in conjunction with the MEDDE, he also created the Institute for the History and Memory of Disasters (IHMEC), then the site "memoriesdescatastrophes.org, the memory of each person in the service of the resilience of all", and in 2013 the Institute for the Study of Human-Robot Relations (IERHR). He directed an unclassifiable 45-minute film, combining animated images and live shots, to accompany the tribute paid to him by the National Library of France on November 30, 2019: Tisseron in search of Serge. His entire archives, drawings, unpublished texts and photographs can be consulted at the Bibliothèque Nationale de France.

Vincent VERGONE

Vincent Vergone is an early childhood artist, sculptor, visual artist and theatre director. He works at the confluence of art and nature, in gardens and forests, in Paris and in the Parc de la Poudrerie, in Seine-Saint-Denis. He believes in the intensive culture of tenderness and wonder.

THE COMPAGNIE LES DEMAINS QUI CHANTENT

Founded in 195, by Vincent Vergone, under the name Compagnie misiègle. In 2005, it changed its name to Compagnie Praxinoscope. This name signals the prominent place that pre-cinema techniques, such as the magic lantern, take in the company's creations. In 2020, Les Demains qui Chantent takes over: while maintaining a strong attraction to image and light, the company's work has been oriented for 4 years towards the environment, the relationship with nature, and the link that she has with the children. This new name change aims to show that we are working for better days, and that (the) tomorrows will sing. In any case, we do everything for it. Finally, the Tomorrows are also multiple, representative of the company which works with numerous artists who co-construct the projects. A

large part of his creations are aimed at toddlers. It is therefore broadcast in places and festivals emblematic of live performance for young audiences (Théâtre Dunois in Paris, Théâtre Massalia in Marseille, Théâtre des Treize Arches in Brive, Kaolin and Barbotine Festivals in Limoges, Saperlipopette in Montpellier, 193 Soleil! in Seine-Saint-Denis, Les Rêveurséveils in Sevrans, Les Premières Rencontres in Val-d'Oise) and in the general public network (Halle aux Grains – Scène nationale de Blois, Théâtre d'Orléans – Scène nationale, Philharmonie de Luxembourg, City of Music). For fifteen years, the company has been working off the beaten track, addressing marginal audiences, using forgotten techniques, seeking new ways of living and sharing culture.

WHAT IS THE CENTRE CULTUREL DE CERISY LA SALLE?

The Centre Culturel de Cerisy La Salle is located in the Château de Cerisy, in the magnificent county of Cotentin in Normandy (<https://cerisy-colloques.fr/>). Intellectual debate and critical analysis has been at the forefront of Cerisy meetings since 1910. If you are interested in the history of Cerisy, have a look at our film (in particular from 5.28):

[Cerisy, à l'écoute des rumeurs du Monde \(2017\)](#)

This 4-day symposium will include individual talks, conversations and collective workshops as well as shared meals prepared for us with local produce, and walks in the beautiful estate of Cerisy-La Salle.