



**9-10
D E C
2019**

POSSIBILITY
ROOM, L5

NATIONAL
LIBRARY
BUILDING

**LIVING in
the AGE of
CONVERGENCES
Affect,
Affordance,
Agency**



millennialnomadspace



Department of Architecture
School of Design & Environment

PROGRAM: DAY ONE	1100 - 1200	Lunch at Platypus, Bugis Junction (for speakers and convenors only)
	1230 - 1300	Registration
	1300 - 1330	Welcome Address by Convenors (Simone Shu-Yeng Chung, Song Dong Hyun)
	1330 - 1500	PANEL 1: COLLECTIVE CONSCIOUSNESS Chair: Song Dong Hyun The Sociality of Sharing and Dwelling In of Digital Natives Simone Shu-Yeng Chung (National University of Singapore) The Cultural Matrix of the Online Hindutva Discourse in India Avishek Ray (National Institute of Technology Silchar, India) The Imaginations of Peacebuilding in the Digital Age: Situating Strategic Media Practices Zac Chiliswa (Leeds Trinity University, University of Leeds, UK)
	1500 - 1530	Break
	1530 - 1630	PANEL 2: VALUES Chair: Richard Koeck Emerging Alternative Cultural Space in Japan within Transnational Contexts Yoshitaka Mōri (Tokyo University of the Arts) Shifting Value Systems and Spatial Practices of Millennial Nomads Mary Ann Ng (National University of Singapore)
	1630 - 1800	PANEL 3: WORK, LIFE AND EDUCATION Chair: Hans Brouwer Digital Nomadism - Collective Liberation, Individual Freedom and Global Responsibility Antonia Scholz (Founder & CEO, Nomad Think Tank) Accelerated Contracts - Legal Obligations in the Age of Technological Convergence Klaus Rilke (Independent Scholar, Salusse Marangoni Parente Jabur Lawyers, Brazil) New Media as an Alternative in Changing Spatial Perceptions of Work and Achieving Work Justice for Temporary Migrant Workers Yao-Tai Li (Sociology, Hong Kong Baptist University)
	1900	Dinner at New Ubin Seafood, CHIJMES (for speakers and convenors only)
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PROGRAM: DAY TWO	1000 - 1100	Student Presentation on exhibited works at We Are Millennials, Mobilised L9 Promenade
	1100 - 1200	Lunch at Platypus, Bugis Junction (for speakers and convenors only)
	1230 - 1300	Registration
	1300 - 1400	PANEL 4: TAXONOMY Chair: Simone Shu-Yeng Chung Taxonomy of Technics: a Compendium for Living and Action Linda Lai Chiu-Han (City University of Hong Kong, School of Creative Media) The Civic (App)aratus: Maneuvering the City with Doroob and SafetiPin Jenna Altomonte (Art History, Mississippi State University)
	1400 - 1500	PANEL 5 : THE CITY Chair: Ho Puay-Peng Digital Placemaking: Caught Between Hybridized and Smart Cities Richard Koeck (University of Liverpool, Director of CAVA Centre for Architecture and the Visual Arts, Co-director of CineTecture) New Type of Mixed Use in Seoul; Adaption, Connection Sung Joeun (Yonsei University, OPEN+ (OPENPLUS) Lab)
	1500 - 1600	Closing Remarks
	1600 - 1700	Closing Reception
		Student Presentation on exhibited works at We Are Millennials, Mobilised L9 Promenade
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INTRODUCTION

This interdisciplinary academic workshop invites scholars and practitioners to critically consider how technological and digital integration has transformed the way we now live, work, interact and think. The workshop specifies a human-centred approach towards understanding the resultant impact of this merging of technologies on our online and offline everyday practices. Perspectives from within Singapore and across Asia are especially welcomed.

From a spatial standpoint, we wish to explore how digital affordance, social media and online resources are allowing us to redraw a new spatial rhetoric. For one, the traversality of workers have created new norms that has significantly impacted the labour ecosystem and landscape, reframing a new political economy. The notion of inclusiveness meanwhile is measured by the values valorised by spatially-rounded four-dimensional human beings who are able to effectively capitalise on twenty-first century affordances in mobility and media.

Over the 2 days, we will explore this polemical topic via any one of the five themes:

- **COLLECTIVE CONSCIOUSNESS**, arising from hyper-connectivity, is instrumental to the formation of universally shared values;
- **VALUES**, the intrinsic qualities adopted by those who embrace the greater mobility, freedom and access to opportunities proffered by techno-digital enhancements;
- Technological and digital disruptions that profoundly impact our triadic **WORK, LIFE AND EDUCATION** entanglements;
- **TAXONOMY**, utilising innovative means to construct a new compendium of knowledge
- **THE CITY**, demonstrating tangible instances where media interfaces and digital connectivity have enhanced urban experience, navigation and performance.

This workshop is funded by the Ministry of Education Tier 1 Academic Research Fund grant *Deciphering the Spatial Rhetorics of Millennial Nomads* (2019-2020).

CONVENORS

Simone Shu-Yeng Chung
Song DongHyun

SPEAKERS

Antonia Scholz
Avishek Ray
Jenna Altomonte
Jooeun Sung
Klaus Rilke
Linda Lai Chiu-Han
Simone Shu-Yeng Chung
Mary Ann Ng
Richard Koeck
Yao-Tai Li
Yoshitaka Mōri
Zac Chiliswa

CHAIRS

Ho Puay-Peng
Hans Brouwer

CONVENORS

Simone Shu-Yeng CHUNG is Assistant Professor at the Department of Architecture, National University of Singapore, and former postdoctoral fellow in Asian Urbanisms at the Asia Research Institute. She holds a Ph.D. in Architecture and M.Phil. from University of Cambridge and British Rome Scholar in Architecture and Urban Design (2002/03), AHRC-NIHU Fellow at the Nichibunken, Kyoto (2012) and Japan Foundation Asia Center fellow (2019). After completing her studies at the Bartlett and Architectural Association, she practiced as an architect in London. Her research resides in the synergistic potential offered by moving images to architecture and urban studies, and issues pertaining to contemporary culture, conservation and intangible heritage in Asia.

SONG Dong-Hyun is a media sociologist. He was formerly a research Fellow in the Science, Technology, and Society cluster at the Asia Research Institute. He was also a Postdoctoral Fellow in the Cultural Studies cluster in 2016 and in the Inter-Asia engagements cluster in 2017. Prior to joining ARI, Dr. Song worked at the Korean Internet Security Agency (KISA) between January 2014 and January 2016. KISA is a government affiliation that supports the South Korean government's ICT policymaking. His scholarly background is rooted in media and communications and cultural studies. His research focuses on exploring the effect of cyberspace on socio-political culture and on society and social media culture in everyday lives.

CHAIRS

Professor **Puay-Peng HO** is currently Head of Department of Architecture, School of Design and Environment, National University of Singapore. In the last 25 years, Puay-peng researched and published in the areas of Buddhist art and architecture, Chinese architectural history, vernacular architecture and history of modern architecture in China and Hong Kong. He was conservation consultant, architect and adviser to some 100 conservation projects in Hong Kong and was appointed to many public and private boards and committee. Currently, Ho is a Patron of International Dunhuang Project, British Library.

Hans BROWER was born and spent his early years in Hong Kong before High School in Switzerland. He studied architecture in Switzerland and at the University of Southern California. After eight years with Foster & Partners, Hans founded HB Design in Hong Kong in 1995, relocating to Singapore in 1998. Hans has worked on a variety of prize-winning projects and serves as an Adjunct Senior Fellow at the National University of Singapore. He has been a keynote speaker at industry conferences and had numerous articles published. Hans is also a Registered Architect in Singapore and provides the design lead for HB Design.

SPEAKERS

Antonia SCHOLZ is a future scientist and innovation designer specialized in the future of work. She has consulted German development agency GIZ on the future of work, skills and tech-entrepreneurship in Sub-Saharan Africa and worked with the University of Oxford on the establishment of the Fairwork Foundation - a project aiming to create fair labor standards in the gig-economy. She is also the founder of a research and innovation lab on digital nomadism and the future of work. Antonia continues to speak at conferences and events on the topics of digital work, remote life and the future shape of the global workforce. She lives a location independent lifestyle.

Avishek RAY teaches at the National Institute of Technology Silchar (India). He has earned his PhD in Cultural Studies from Trent University, Canada. He has edited a Bangla anthology on Religion & Popular Culture, and published in reputed journals like South Asia: Journal of South Asian Studies, Journal of Literary Studies, Inter-Asia Cultural Studies, Multicultural Education Review, Journal of Human Values, among others. He has held research fellowships at the University of Edinburgh (UK), Purdue University Library (USA), Centre for Advanced Study, Sofia (Bulgaria), Mahidol University (Thailand) and Pavia University (Italy).

Jenna Ann ALTOMONTE is an Assistant Professor of Art History at Mississippi State University. She received her Ph.D. in Interdisciplinary Arts (2017) from Ohio University. Her primary area of research centers on global contemporary art and digital performance studies with a specialization in political and social intervention practices. She is the author of "Book Now! Performance, Satire, and Play at the Venice Biennale" in Venice Biennale and the Arab World and "Playing Killbox: Didactic Gaming and Drone Warfare" in Video Games and the Global South (ed. Phillip Penix-Tadsen, Carnegie Mellon University ETC Press).

Klaus Rilke is an independent researcher. He holds an LLB from Sao Paulo Law School. He is also a member of the Arbitration Committee of the State Bar of Sao Paulo and coordinator for the last four years of the arbitration area of Brazilian boutique law firm Salusse Marangoni Parente e Jabur Advogados.

Linda LAI Chiu-Han is a Hong Kong-based academic, interdisciplinary artist, and historian working at the intersections of experimental moving images, contemporary and media art, the history of everyday life and media archaeology. She is Associate Professor at the School of Creative Media at the City University of Hong Kong, founder and artistic director of new media research group Writing Machine Collective, and experimenter of the self-funded art space Floating Projects. She is also an advocate curator for videography and arts-technology dialogues, and presented Algorithmic Art: Shuffling Space & Time funded by the Innovation & Technology Funds in HK. The first of her Manifesto projects, Videography. Micro Narratives. Temporal Beings. Our Manifestos (book+DVD, 2018) will be followed by Manifesto 2 on documentary impulses. She was Artist of the Year in Media Art 2017 (HKADC May 2018) Her works have been collected by the Power Station (Shanghai), M+ Museum (HK) and Video Bureau (Guangzhou, Beijing).

Mary Ann NG graduated with a Bachelor of Arts in Architecture and a Master of Architecture from the National University of Singapore in 2018. Her research interests stem from observations of the contemporary individual, their subsequent emergent lifestyles, online and offline social practices and new cognitive behaviours within the spatial context. She is currently a Research Assistant under the project Deciphering the Spatial Rhetorics of Millennial Nomads at the School of Design and Environment, National University of Singapore.

Richard KOECK is professor in Architecture and the Visual Arts at the University of Liverpool; Director of the Centre for Architecture and the Visual Arts | CAVA and co-Director of the Digital Film & Media Production company CineTexture (Liverpool). Richard's research/practice combines three principle interlocking knowledge domains: space, media and people. Within this wide field, he provides insight in the future design of spaces, buildings and cities – through the study of physical space as well as mediated through, e.g. visual arts (e.g. film, animation), digital and locative media (e.g. AR/VR/digital screens) as well as information and artificial intelligence systems.

His publications include *Cities in Film: Architecture, Urban Space and the Moving Image* (2008); *The City and the Moving Image* (2010); *Cine|Scapes: Cinematic Spaces in Architecture and Cities* (2012); *Cinematic Urban Geographies* (2017); and *Inhabiting the Image of the City* (forthcoming).

SUNG Joeun is a chartered architect and an associate professor at Yonsei University, Korea, who interprets architectural design in the context of urban dynamics and investigates how design and its process respond to the live cities. She looks at and engages with elements of the city we live in, and fabricates physical and social relationship within. She also heads OPEN+(OPENPLUS) lab which interprets architectural design in the context of urban dynamics and investigates how design and its processes respond to live cities, and vice versa.

Yao-Tai LI is currently an Assistant Professor of Sociology at Hong Kong Baptist University. He is also a member of Taiwanese Working Holiday Youth (T-WHY) in Australia. He holds a PhD in Sociology from the University of California, San Diego. His research interests include urban sociology, social movement, labour, migration, and social media. His work has been published in several scholarly journals including *City, Culture, and Architecture*, *Sociological Perspectives*, *Current Sociology*, *Ethnic and Racial Studies*, *Critical Sociology*, and *International Migration*.

Yoshitaka MŌRI is Professor in Sociology and Cultural Studies at Tokyo University of the Arts. He has a BA in Economics, Kyoto University, MA in Media and Communications and Ph.D. in Sociology, Goldsmiths College, London. His research interests are postmodern culture, media, art, the city and transnationalism. His publications include *Street no Shiso (The Philosophy in the Streets)* NHK Publications, 2009 and *Popyurā Myūjikkū to Shihonshugi (Popular Music and Capitalism)* Serica Shobō, 2005/2012 (in Japanese) and "J-Pop Goes the World: A New Global Fandom in the Age of Digital Media" *Made in Japan: Studies in Popular Music*, T. Mitsui (Ed), Routledge, 2014, and "New Collectivism, Participation and Politics after the East Japan Great Earthquake", *World Art*, Routledge/Taylor & Francis, 5/2, 2015 (in English).

Zac CHILISWA is currently a PhD candidate in media studies at Leeds Trinity University & University of Leeds, UK, researching on how NGOs and activists communicate peacebuilding in increasingly digitised environment with the case study of Kenya. He's a former Rotary Peace Fellow, University of Bradford, 2015/16 and graduated with a MA in International Politics & Security Studies. Previously he's worked as a consulting programmes manager for Human Relief Foundation, Kenya office in 2017; Programmes Manager for Jesuit Hakimani Centre, Nairobi, 2008 – 2015. In addition, he has a MA in Communication Studies, University of Nairobi and a BA in Philosophy, Catholic University of Eastern Africa.

ABSTRACTS

PANEL 1: COLLECTIVE CONSCIOUSNESS

The Sociality of Sharing and Dwelling In of Digital Natives | Simone Shu-Yeng CHUNG

Prompted by the promise of novel forms of social interactions in virtual space and virtual reality, I consider the sociality of sharing and dwelling in (following Heidegger) of digital natives. Technology in this millennium has evolved from the dominance of information technology to become the primary conduit for communication, creative expression and knowledge transmission – activities premised on sharing. This visible spirit of collaboration and co-creation among hyperconnected individuals has ignited a culture of participation. What seems underacknowledged is the sociality behind the use of platforms and apps in design, by how digital natives optimise online resources. The cohort's capacity to utilise a multitude of platforms is tied to their innate ability of digital natives to procure information speedily, perform parallel processes and multitask. Likewise, the worldwide popularity of online social VR platforms is not only attributed to digital connectivity but also on a common desire for shared convivial experiences in massively multiuser environment settings which game engines can now support with ease. While the notion of presence is often raised in media and communication scholarship, it is the copresence adumbrating the interactive component of VR platforms that highlights the sociality of virtual environments, as one new kind of neutral and accessible space for hosting social interactions. Through dwelling in, our true selves inevitably seep through – how we respond to spatial cues and spontaneous reaction cannot be masqueraded. Thus, the constitutive features of "community", with respect to how online communities carve their domain virtually, has not deviated.

The Imagination of Peacebuilding in the Digital Age: Situating Strategic Media Practices | Zac CHILISWA

The rapid adoption of online media platforms in most sectors of society across Africa have positively been viewed, arguably for helping to bridge the gap of the people excluded from the mainstream communication systems. However, the increasingly digitised societal processes continue to draw attention to how its intersection with politics or social conflicts can influence its representation or precipitate fault-lines of multi-ethnic politics. Kenya, regarded as one of the continent's digital innovation hub is struggling with the outcomes of the increasingly digitised, yet ethnicised politics as diverse communities bring their local experiences of violence into these spaces, such as polarising discourse as witnessed in the 2007 and 2017 general elections.

The emergent dominance of online media platforms as sources of news, information and arenas for political engagement are structuring how individuals, groups and organisations engage (Fletcher, 2016). But are peacebuilding and/or conflict situations in ethnically divided society changing through online media? This study examined how communication of peace and/or conflicts within online media structures its representation in fragile societies and its implication on narratives of national politics, such as the meanings of 'valued pursuits' (Shove et al., 2012). How peacebuilding and/or conflicts are mediated and communicated can influence not only imagination of it but also practices. The study used mixed methods of cross-sectional survey (citizen users – N=241) and semi-structured interviews (peacebuilding NGOs – N=18), to examine how peacebuilding organisations and their immediate beneficiaries in Kenya communicate and experience peace and/or violence through online media and how it shapes their practices. Preliminary findings show that there is a significant relationship between people who frequently use social media platforms and their likelihood of them thinking that their communities have changed as a result of it

The Cultural Matrix of the Online Hindutva Discourse in India | Avishek RAY

The promise of 'Digital India' has, on the one hand, supplied new logistics of political participation, and, on the other hand, consolidated post-disciplinary techniques of statist control. Taking off from here, this paper examines the constituency of the Hindu as an 'imagined community' online, and how the performativity of Hinduism reconfigures the community itself. It seeks to understand: How do the ideologues of the digital Hindu 'imagined community' territorialize certain online spaces? How does the Internet equip them with new imaginations and vocabulary of political partisanship? How does this provoke the political Other – the counterpublics – against which their identity is recast and amplified? Using two popular social media sites, Reddit and Quora, as case studies, I drive home my observation on 'balkanization' – an enclavist mindset--, that the digital Hindu community demonstrates. In so doing, I highlight the cultural appropriation of 'Hindutva' into the digital and how it responds to the dissent against mainstream Hindu nationalism. That nationalistic discourses operate in a coercive and authoritarian manner is obvious. However, in this paper, I highlight the self-cooing aspect of the social media that leads to 'balkanisation' of the Hindutva discourse: formation of parallel-isolated communities, with competing, and often extremist, viewpoints -- Todd Gitlin (1998) calls this phenomenon 'sphericules' --, which is at odds with the rhetoric of connectivity that we associate with the Internet.

PANEL 2: VALUES

Emerging Alternative Cultural Space in Japan within Transnational Contexts | Yoshitaka Mōri

We are witnessing the rise of alternative spaces everywhere in Asia as well as in Japan. Today they are being produced everywhere in different cities, regions and countries, but most of them are invisible. They are temporally made in voids of urban space or in rural abandoned areas: rather it looks that they try to escape notice.

Those who are involved with these spaces always exchange ideas or know-how through social media or the Internet and establish real human connections. The recent increase in tourism, often based on increasingly cheap air tickets (LCC), makes travel around the world much easier. Most alternative spaces function as a hub for transnational networks as well as an important place for local cultural and political practices. Cognitive workers (including university students among them), whose life is more flexible, fluid and fragmented with unsecured jobs, are major supporters of these places.

How should we understand this phenomenon? We may be able to see the increase of places and the construction of their transnational network as practices after 'spatial turn' in the latest social theory. In this presentation, through the examination of alternative spaces in Asia, in particular, in Japan, I would like to discuss the practices of places and their possibilities within an emerging political, social and cultural context.

Shifting Values and Spatial Practices of Millennial Nomads | Mary Ann Ng

Affected by the affordances of a digital age, the millennial nomad is inevitably a rising figure capable of embracing the physical, biological and digital convergences (Schwab 2016). These convergences make up an increasingly complex environment where flux, fluidity and change is a constant of everyday practices and rituals. As digital natives, millennials are pegged for their digital adeptness and dependency and by extension have come to embrace the virtual self, an expedited digital presence leading to millennials naturally embodying a sense of everywhere-ness in both the online and offline (Scott, 2015). This distinct characteristic comes across through the growing group of millennial nomads choosing to adopt peripatetic lifestyles. Unsurprisingly, Zygmunt Bauman (2017) describes millennials as a generation 'born liquid'. Bauman's *Liquid Times* (2007) posits that in the liquid modern world, there is a dissolution of society's 'solid' structures and conformity in favour of flexibility and temporality.

This premise puts forth the thought that millennial nomads have come to embody new ways of being and doing with an incremental shift in their value systems and therefore spatial practices. To frame this liquidity of millennial nomads in their formation of their habitus, this paper investigates millennial nomads' identification with nomadism in order to piece together their value systems that direct their spatial practices, as well as using an aspect of material culture (Miller, 2008) to uncover their potentially liquid relationship to personal articles and possessions that facilitate their cyclical relocation, reorganizing and reassembling.

PANEL 3: WORK, LIFE AND EDUCATION

Digital Nomadism - Collective Liberation, Individual Freedom and Global Responsibility | Antonia Scholz

Digital nomads are a new type of digital worker whose main characteristic is location independence. Using information and communication technologies to perform their work, digital nomads travel indefinitely between different places while fulfilling their work obligations continuously. As such, the digital nomad lifestyle transcends geographical boundaries and blurs the lines between local and global.

The international nature of digital nomadism challenges governance and regulation systems across the globe. In a world of work that is becoming more and more digital and mobile, conceptualizations of citizenship and residence are up for renegotiation. Governments increasingly compete for digital talent on a global marketplace where itinerant digital workers act as consumers of government services. As the nation state moves toward this new form of networked sovereignty, opportunities and challenges of the new way of working and organizing in a digital world arise.

This paper examines the geographic mobility of digital nomads based on survey findings and semi-structured interviews. Understanding the mobility behavior of digital nomads helps to gain insights into some of the economic, social and political implications of the lifestyle. As such, this paper contributes to a holistic understanding of digital nomadism as a growing segment of the digital labor force and can serve as a starting point for policy decisions of governing bodies and strategic decisions of commercial entities.

Accelerated contracts – Legal obligations in the age of technological convergence | Klaus Rilke

Broadly seen as a quasi-sacred moment in which one's present desires are given autonomy from one's future desires, the classical contract encompasses one's will toward two objects: (i) the content of the agreement and (ii) the agreement in itself.

As communication enters runaway mode, the divide between commercial and personal relations blurs into virtuality. Tag your location in a picture and you're not just sharing memories, but advertising; listen to your favorite songs online and you're not just enjoying yourself, but producing tradable data on consumer preferences; send an email and you're feeding an auto-reply algorithm that will be sold to third-parties.

Under this new paradigm, the classical conception of a contract loses one of its pillars. Did one truly want to sign a contract in any of those cases? Yet contracts and quasicontinental relations are inevitably formed, ruptured and terminated as fast and unassumingly as one likes a post. The will-to-contract vanishes into an assumption within the newborn hyperreal dimension of legal relations that pervades every aspect of private life.

This paper aims to explore the dynamics and limits of this new contractual dimension. Instead of exploring specific legal issues (consumer law, data protection), integrative review of interdisciplinary literature will be used to (i) frame it as an autonomous Luhmannian system, (ii) identify its basic drives, paralleling Omohundro's work on self-aware systems, and (iii) discuss the extent to which we can or should control this system, by transposing the Nick Land v. Nick Bostrom discussion on orthogonal values.

New media as an alternative in changing spatial perceptions of work and achieving work justice for temporary migrant workers | Yao-Tai Li

Studies have suggested that given temporary migrant workers' short periods of stay and their unfamiliarity with the receiving countries in which they work, they are more likely to be exploited. Spatial segregation is another important factor which limits a more efficient collective action. Remoteness may make it difficult for workers to share information about fraudulent recruiters or access legal services. Scholars, NGOs, unions, and governments work hard to promote temporary migrant workers' labour consciousness and collective solidarity. Past studies and advocacy groups have focused on how to remove barriers to collective action. However, these studies have not explored the subjective considerations that underpin why individual workers prefer to leave online reviews (e.g., disseminating information about fraudulent employers) on various social media platforms rather than going through legal means as resistance strategy. This article argues that digital interaction on new media significantly change the temporariness and spatial limit of temporary migrant workers, and lead the new media reviews to be the most 'effective' way as workers can do 'hit-and-run' revenge. New media reviews also shape the spatial mindsets and urban experiences of temporary migrant workers in a global city such as Singapore. This paper concludes by discussing to what degree digital technology can form a strong off-line collective consciousness and action.

PANEL 4: TAXONOMY

The Civic (App)aratus: Maneuvering the City with Dorooob and SafetiPin | Jenna Altomonte, Ph.D.

In June of 2019, Mohammad Abdel Haleem launched the Dorooob app in Palestine. The app serves to alleviate traffic congestion around Israeli checkpoints and roadblocks for Palestinians living in the West Bank and Gaza Strip. This civic app, or an app that informs users about actions, events, or changes within their communities, works to improve mobility for those living and working in Palestine. In 2013, Kalpana Viswanath developed SafetiPin, another civic app created in response to the influx of sexual violence committed against women in India. The app uses real-time street maps and images that inform users about walkability, pedestrian presence, lighting, and local security/emergency services.

Considering the function of Dorooob and SafetiPin, this paper critically examines the relationship between civic apps and maneuverability within the urban environment. These apps alleviate stress, reduce violent interactions, and improve quality of life for participants. Each app relies on user-to-user interfacing and data collection to remain current and effective. However, what are the greater social and political implications of these apps? How can these apps enact policy change? How do these apps assist vulnerable populations impacted by the digital divide? I address these complexities and extrapolate on the greater social and political effects produced by Dorooob and SafetiPin. In turn, these civic apps reveal a variety of issues affecting city maneuverability/mobility, prompting officials and advocates to enact change and provide better services and safety measures.

Taxonomy of Technics: a Compendium for Art and Action | Linda Lai Chiu Han

This paper sets out to problematize a specific mode of contemporary living called **black-boxing**, pervasive in technological and media art culture, characterized by the concealment of the machine processual core of such works, leading to the illusion of technological literacy and competence. Such an alienation state has many names. Latour finds black-boxing's focus on the efficiency of the input-output loop making science and technology "more opaque and obscure." (1999: 304) To McIntyre and Kapp, the black box is a symptom of **compartmentalization**, and of capitalist division of labour. (2000, 1961) Stiegler (2017) calls this the "**proletarianization of sensibility**" in the digital age -- the everyday person's loss of knowledge (*savoir*), i.e. the pre-knowledge of discipline-specific knowledge. (Gutting on Foucault 251) Arendt calls the proletarianized individual the "cultured philistine," Stiegler the "amateur" of the drive economy, whose love of art is libidinal energy, not knowledge. The artist, too, is proletarianized. Black-boxing, a feature of non-traditional art, produces the artist's loss of knowledge as he growingly relies on packaged software. (Rodriguez 2008) The simplification of the machine process also saw user experience (UX) and interface design substitute for the democratization of technical knowledge. My critical response (2007, 2017, 2019) is to experiment with ways in opening the black box via art curatorship and art-making. In the 2-week show Algorithmic Art: Shuffling Space & Time (2018-19, City Hall, Hong Kong), through commissioning works to soften the art-science divide, display and documentation strategies and media archaeology, I transformed the sheer pleasure with interactive machines into accessible knowledge via new conceptual-historical lenses.

PANEL 5: THE CITY

Digital Placemaking: Caught between Hybridized and Smart Cities | Richard Koeck

This paper looks into the theorization and design of what might be called "hybridized spaces"; i.e. the notion of "inhabiting" screen information and data. Rob Snyder calls this phenomenon 'being in the data', which he equate with the possibility 'to think in the data, which is, to define and assert something worth seeing, and to represent it in such a way that renders it intelligible, and actionable' (www.spar3d.com; 2015). Indeed, there is a growing interest in the permeability of boundaries between virtual space and physical place; one can easily see how systems that connect advertising content (product and service information), urban space (location data) and consumers (social data) are attractive for some in terms of a commercial exploitation.

Developments by companies such as Google, Microsoft and Magic Leap around augmented reality (AR) technologies will allow us no longer simply to look onto screens, but to look through them, and in so doing to fuse the world of two-dimensional representation and the world we already inhabit. While Google's glasses simply superimposed information over the world as we see it, and have consequently been poorly adopted, Microsoft's HoloLens uses tracking to anchor the superimposed information and so creates a true sense of merged space: a space in which any narrative, whether ludic or persuasive, can be played out. This has great relevance both indoors and also outdoors, in cities, allowing new ways to see and engage with cities.

New Type of Mixed Use in Seoul; Adaption, Connection | Joeun Sung

Seoul, the capital of South Korea has been one of the most changed cities in the last 50 years in its cityscape and lifestyle. From the local community of houses along the alley in the 1960s to a gated community of high-rise apartment in the 1990s, and to various forms of single household in 2010s, lifestyle of the Seoul citizen has become more individual and less connected with the rest of the city.

In order to answer the key question; how urban living and working spaces can respond to the lifestyle of current social groups, new type of mixed use space should be proposed. However this should not be another typology of property building, but well-structured use of adapted urban spaces.

To deploy the city in a sustainable way, the legacy of urban development and the life style of current user groups-millennials are to be carefully investigated and discussed. By adapted spaces and digital nomad lifestyle, current mismatch of property types and household type can be turned over to mix-match of available spaces into set of places, creating loose community, which will allow autonomous level of community participation. Careful reading of context through direct methodologies will also engender the local brand and the management system.