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Headline: What's in Store For Design, Travel & Social Media

LOOK AHEAD TO 2024

WHAT'S IN STORE FOR DESIG

Lee Siew Hua

Where can I find Chinese-style durian pastries in Shanghai? How do I get to the matchmaking corner in Renmin Park from the Conrad Shanghai hotel?

Snangnal noter?

Ask TripGenie. In seconds, the travel assistant powered by artificial intelligence (AI) will personalise answers for travellers in the Chinese metropolis, or elsewhere in the world. in the world.

in the world.

Rolled out by online travel agency Trip.com in July, TripGenie covers multiple aspects of the journey, from itinerary crafting to immediate bookings.

"TripGenie's major differentiator lies in its ability to provide actionable responses," Ms Amy Wei, senior product director at Trip.com, said during the chathot's unveiling.

said during the chatbot's unveiling "Unlike traditional conversation based AI tools, TripGenie not only answers questions, but also takes users directly to relevant informa-tion."

TripGenie is among the virtual TripGenie is among the virtual concierges now proliferating, with platforms such as GuideGeek, Roam Around and Forgemytrip also in action. Globetrotters have flocked to ChatGPT, the virtuoso of "Ask Me Anything", since its launch in November 2022.

This is still the beginning for the All trip-planning supertrend Only.

Al trip-planning supertrend. Only 6 per cent of travellers used generative AI tools to create itineraries in 2023

But in 2024, the emergent cohort of Gen Gen AI (Generation Gener-ative AI) will come of age and fully embrace the tech, predicted travel

embrace the tech, predicted travel technology company Expedia Group in its recent Unpack '24 report on travel trends.

A significant number of Singaporeans (68 per cent) are interested in using generative AI to plan their next trip. They outrank American travellers (50 per cent), based on data from Expedia's poll of 20,000 respondents across 14 countries.

"What drives this trend is generative AI's ability to simplify planning and shopping through a conversation," observes Expedia, which in April announced a partnership with ChatGPT, bringing the game-changing chabot into its app.

tne game-changing chator into its app.

Global travel technology company Amadeus elaborates on Al's conversational forte: "Instead of selecting filters to fine-tune a search on a metasearch site or online travel agency, travellers can simply provide a brief to a chatbot in the same way voy would a in the same way you would a human advisor."

Enhanced, even empathetic, conversations with chatbots are likely in 2024, freeing travel employees to deliver specialised

services. As the Amadeus 2024 Travel As the Amadeus 2024 Travel Trends report sees it: "The next generation of generative Alpowered customer service will be delivered with greater patience and empathy, reducing the workload of employees to deal with the bulk of after-sales servicing and customer review managewith the bulk of atter-sales servic-ing and customer review manage-ment, giving them the bandwidth to provide the human touch on more specialist issues."

Overall, the promises and perils of hyper-personalised AI are evident to travel tech leaders.

In October 2023, the Global



Travel powered by AI and Taylor Swift, diminished by bugs and prices

Travel Tech Thinktank event, organised by Singapore's Web In Travel community for online travel professionals, gathered close to 60 global industry leaders to brainstorm the way forward for travel in the age of Al and tech.

They concluded in their executive summary that Al can unlock unprecedented levels of personal-

unprecedented levels of personalisation, enhance customer experi-

isation, enhance customer experience, and streamline operations.

But Al can also lead to job
displacement, entrench bias in
decision-making and heighten
privacy concerns.

Because Al-driven travel is a
supertrend, it will power other
major trends, such as the search for
alternatives to over-touristed alternatives to over-touristed destinations or the ascent of music tourism dynamically defined by American pop star Taylor Swift's The Eras Tour concerts.

Dwalling on over-tourism Mr.

Dwelling on over-tourism, Mr Subramanian Ganeshan, senior vice-president (travel distribution engineering) and centre head at Amadeus, reflected: "Citizens are up in arms in places such as Venice, Bali and Ladakh, and telling tour-

ists not to come."

"How can we use AI and machine

learning to manage traffic flow, widen the horizon and divert tourism? It is important to get all of us together - including destination boards, local agencies, hoteliers - to bring the goodness back to travele," he said at the Global Travel Tech Thinktank.

In this light generative AL can

In this light, generative AI can In this light, generative AI can help to incentivise adjacent tourism spots, the conferencegoers agreed. These alternatives can also be value for money, a bonus in these days of pricier travel.

Expedia highlights the "dupe" trend – affordable alternatives to popular products – that has flooded TikTok feeds and is now influencing travel.

influencing travel.

Expedia's "destination dupes" are described as a little unexpected, some-

Travel spending is influenced by mega-concerts, such as Beyonce's (right) Renaissance World Tour and Taylor Swift's (far right) The Eras Tour. PHOTO: TAYLORSWIFT/INSTAGRAM times more affordable, and as delightful as the tried-and-true destinations travellers love.

destinations travellers love.

Dupe destinations are experiencing an uptick in global searches and these include Sapporo in Japan (dupe for Zermatt in Switzerland) and Palermo in Italy (dupe for Lisbon in Portugal).

Within the same countries, less prices, and also prortly.

Within the same countries, less-pricey and also-worthy dupes exist, such as England's Liverpool (dupe for London) and United States' Memphis (dupe for Nashville).

Certainly, travel spending is also influenced by megaconcerts. Think Swift's The Fras Tour American singer

Eras Tour, American singer Beyonce's Renaissance World Tour and British rock band Coldplay's Music Of The Spheres World Tour. In 2024, music tourism will continue to boom.

Research from Amadeus indicates that Swift's concert dates in Singapore, Australia and Japan for 2024 had a significant impact on travel searches and booking volumes to these countries. Among Singaporeans, 65 per cent say they will travel to watch their favourite artiste perform live. "Fans are willing to travel outbound to catch their favourite artiste if tickets are

driven by artificial

ravourte artiste if tickets are cheaper elsewhere (44 per cent) or are sold out in Singapore (28 per cent)," Expedia reported. Overall, vacationers are expect-ed to look to Al increasingly to save time and money, and to plan shar-per in 2024. per, in 2024.

Newcomer GuideGeek, an Al-Newcomer GuideGeek, an Al-driven personal travel assistant that chats with travellers via WhatsApp and Instagram in 20 languages, points out: "The biggest barrier to ideal vacation time, planning difficulties, was cited by 1 in 3 (30 per cent) travellers, including

35 per cent of parents, who find research and planning for vacations too time-consuming." Meanwhile, the scourge of bedbugs may also persist as an unwelcome trend. From Paris to South Forza, cities and countries have Korea, cities and countries have declared war on the vermin. Ask GuideGeek which destinations to

avoid and its reply is positive.
"It's not about avoiding specific destinations, but rather taking precautions wherever you go."
Its 220-word response focuses on tips to minimise bedbug risks. It

emphasises that infestations can occur anywhere, from budget digs

to luxury resorts.

And so the travel trends of 2024 interlock, from the large language models of AI to tiny bedbugs, at a

TikTok's continuing pop culture domination

Yamini Chinnuswamy

In 2023, TikTok officially became the town hall of the Internet – the social media space where trends are made and broken, with a new headline in the form of the latest viral moment every other week

There was, for instance, the "canon event" trend inspired by the ani-mated superhero film Spider-Man: Across The Spider-Verse (2023). TikTok users have used this phrase as a platform to lament and accept unfortunate events as being impor tant and character-building in their personal story arcs.

And following in the tradition of

and 2022's butter boards, 2023 had another food-related TikTok trend take off around the world: #girl-

Girl dinners are generally some Girl dinners are generally some variation of charcuterie boards or snack plates arranged to look aesthetically pleasing. They took off in May when TikTok user Olivia Maher, based in the United States, posted a video showing her haphazard late-night assembly of bread chosen viting and grape.

haphazard late-inght assembly of bread, cheese, wine and grapes.

A whole "girl" universe of TikTok-driven trends followed. July had the emergence of #girlmath – a social media moniker given to the illogical ways women justify friedlys expenses such as justify frivolous expenses, such as

spending an extra \$30 to get free shipping online. Since August, the #tubegirl hash-

tag has amassed more than a bil-lion views after London-based Ma-laysian student Sabrina Bahsoon

laysian student Sabrina Bahsoon posted a stylised video of herself bopping along to music while riding a London Underground train. It could even be argued that TikTok was the main force in turning 2023 into the Year of the Girl. Beyond the various girl trends,

fans of superstar American musi-cians Taylor Swift and Beyonce took their fandom to a whole new level on the app, sharing live streams and clips of their concert tours, in addition to countless tutorials on concert outfits, dances

In particular, 34-year-old Swift dominated "sgtok" for a few weeks in July, as local users frantically shared strategies and commisera-

tions over "the great war" to secure tickets for the singer-songwriter's The Eras Tour concerts in Singapore in March 2024.

pore in March 2024.

Tickets sold out within hours, but local "Swifties" continued to use TikTok to celebrate other developments related to the pop phenomenon, such as the release of her 1989 (Taylor's Version) record and her budding romance with American football star Travis

TikTok's users also drove the "Barbenheimer" phenomenon in July, when two very different films - Barbie, a comedy inspired by the iconic Mattel doll, and nuclear arms biopic Oppenheimer opened in cinemas on the same

Videos proliferated on the app of





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N, TRAVEL & SOCIAL MEDIA

Robots to the rescue in the building industry

Chantal Sajan Senior Correspondent

Robots and robotic systems are expected to boost Singapore's building sector from 2024, judging

by a slew of recent tech roll-outs.
Robots and building automation software were trotted out in September 2023 at the Inter-national Built Environment Week (IBEW), billed as the most important event in the built environment

industry in the Asia-Pacific region. Launched in 2019, the three-day event drew local and global players to network and share knowledge to network and share knowledge.
The annual event organised by
BCA International, a wholly owned
subsidiary of the Building and
Construction Authority (BCA),
also featured its sister event, the
BEX Asia trade show.
BEX Asia had 160 booths in
1032 showers in 250 brands from

2023, showcasing 250 brands from across 14 countries.
The 2023 show focused on innovations that improved the safety and working conditions of construction workers, as well as upped the ante in the battle to reduce greenhouse gas emissions in construction.

In its latest report from November 2023, the World Business Council for Sustainable Develop-ment said that the built environment is still contributing about 40 per cent to global carbon emissions. The council comprises a global community of more than 200 of the world's leading businesses.

nesses.

The report was published in collaboration with experts such as global sustainable development consultancy Arup. Several global initiatives such as the United Nations' Race To Zero seek to halve

carbon emissions by 2030 for all the world's building projects. Leveraging technology in build-

Leveraging technology in building projects is one way to pick up the pace.

A highlight at BEX Asia 2023 was a floor tile grouting robot rolled out by Singapore start-up Fabrica.Al, co-founded by Singaporean Keefe Wayne Teo, 26, and Czech nationals lakuly Suchanek. 24, and Ronald als Jakub Suchanek, 24, and Ronald

Luc, 26.

Manual grouting of tiles is back-breaking work which takes a toll on knees. Construction workers can now simply press a button and the tile grouting does the work of five people, auto-matically grouting and cleaning

tile gaps.
Another ground-breaking inven-Another ground-breaking inven-tion was Sky Wash, a safe cleaning system for buildings designed by Hong Kong-based technology company SquareDog Robotics. It launched a robot that cleans the facades of skyscrapers. It can be operated safely from a distance by a team of cleaners eliminating

by a team of cleaners, eliminating the need for workers to scale extreme heights on a gondola.

These timely tech innovations can help save lives at construction sites. In Singapore, the building industry recorded 14 deaths in 2022, according to the Ministry of

Manpower.

It had the highest workplace included transport and storage,



which had nine deaths, and manu-

facturing, which had seven. Collectively, the three sectors accounted for about 65 per cent of workplace deaths in 2022. According to Dr Xu Jingfeng, Australasia leader for digital services at global sustainable development consultancy Arup,

digital technology and automation will play an important role in the building industry in 2024. Arup is looking at how it can use digital systems and automation to push the boundaries of the build-

ing industry and develop solutions ing industry and develop solutions to complex problems.

"For instance, we're trialling an autonomous system for building facade inspections in Australia," says Dr Xu. "The technology involves an integrated hardware robot mounted to existing building robot mounted to existing building maintenance infrastructure which surveys the facade using a range of sensors including visual, thermal,

GPS and Lidar." Lidar or Light Detection and Ranging is a remote sensing method that uses light in the form of a pulsed laser to create a precise, three-dimensional digital replica

The robot, which is permanently mounted on a building, is able to efficiently capture critical mainte-nance data, from changes in colour to thermal fluctuations to other to thermal fluctuations to other points that the human eye is unable to assess. There is no need for a specialist operator, while allowing for wider scanning access, greater accuracy and better quality of capture. "The beauty of this technology is

that you can run it during regular maintenance operations like window cleaning, and it will passively record and monitor the building facade," says Dr Xu.

The data collected will then be

fed into an artificial intelligence (AI) model to analyse the informa-tion and point out the areas that maintenance teams need to focus

on.
"It's these types of innovations that will change the nature of the industry and generate significant benefits for the way we build and

maintain infrastructure. Over at Gensler, the world's largest architecture and design firm, there is a clear global trend towards the increased integration of robots in the construction

of robots in the construction industry, primarily driven by the pressing issue of labour shortages, as well as the potential for enhanced efficiency and safety.

The firm has more than 6,000 professionals working across 53 cities around the world. Mr David Calkins, regional managing principal of Gensler Asia Pacific and Middle East Region, says it is crucial to acknowledge

the challenges associated with integrating robots in construction. But a big barrier is the high initial investment required for adopting robotic technologies, which can be expensive when compared with traditional construction methods. The transition to a more automated construction environment also requires a skilled workforce capable of operating and maintain-ing the robotic systems. "Gensler recognises the signifi-

cance of this global trend towards increased integration of robotics in construction," says Mr Calkins. "We have strategically adapted our design approach by embracing construction processes that lever-age technology such as incorporating robotics into prefabricated construction methodologies."
In prefabricated construction building components are

tion, building components are assembled in controlled fac-tory environments before transporting to an on-site installation. With the help of robots, the production process is streamlined, elevating precision levels fa beyond what traditional on-site construction can

This innovative construction method not only mitigates the risk of human error, but also elevates productivity levels and optimises resource allocation, says Mr Calkins.
In 2016, Gensler also built the

world's first 3D-printed office in Dubai using a massive 3D printer based in China which churned

out modular, prefabricated struc-tures that were assembled into an office in the Arabian desert. "Beyond the technological marvel, this project significantly reduced labour and materials costs, offering a tangible testament to the transformative potential of

tech innovations in the construc-tion industry," Mr Calkins says. He adds that Gensler's Design Technology team has also developed a proprietary technology suite called NForm, a blend of tools and workflows empowering designers to visually explore diverse options through computer-generated data simulations.

The latest addition to the suite in 2022 is called gFloorz 2.0, which seamlessly integrates design elements with a wide array of data sources, incorporating real-time feedback that allows dynamic exploration and delivery of bespoke design solutions for build-

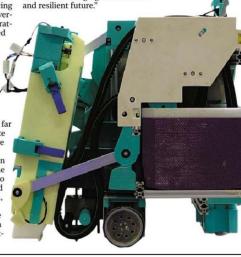
ing projects.

Mr Calkins adds: "By adopting this technology-driven methodology, we not only facilitate confident and productive design exploration, but also emphasise our dedication to forging a sustainable dedication to forging a sustainable and resilient future

built the world's first 3D-printed massive 3D China which churned out modular. structures that were assembled

Fabrica.Al's robot is said to do the work of five people, grouting and cleaning tile gaps at the press of a button. ST PHOTO: NG SOR

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users going from one movie to the other, shedding their dark-hued outfits in favour of hot pink get-ups

or vice versa.

TikTok's continued importance in the culture is notable given the in the culture is notable given the 2023 entry of new social media upstarts – notably Threads, a Twitter-wannabe built by the Instagram team – and the hostilities aimed at the app by governments around the world.

The app has been accused of sharing data or having connections with the ruling Communist Party of China

TikTok's Singapore chief execu-tive Chew Shou Zi was grilled by lawmakers in the United States Congress in March over concerns that the app posed a national security threat to the country.

The American lawmakers did not

TikTok trends that took off in 2023 include #tubegirl, started by London-based Malaysian student Sabrina Bahsoon (far left), and the "Barbenheimer" (left) phenomenon HAARIUS/TIKTOK

but TikTok certainly was won over, with users declaring him to be the newest "Internet daddy" - slang for a successful, attractive man.

One user even wrote: "We stan

Tiktok Daddy." Stan means to be a devoted fan of something or some-

The sentiment is clear. TikTok and its creators have become what celebrities such as talk-show host Oprah Winfrey were for the Gen X and boomer generation: the new taste-makers and agenda setters of popular culture.

But the underlying truth of TikTok's rise is that even as some younger millennials turn 30 in 2024 – practically middle-aged in pop culture years – Gen Z has officially become the "ruling class", passing judgment on what is "fire (cool) and "cheugy" (uncool) and curating the trends, memes and news that will dominate the world's headlines and conversa-

research company Insider Intelligence suggests that users aged 18 to 24 years old on the app – estimated to comprise about 18 per cent of its 1.2 billion users – spend a staggering 79 minutes on the app daily.

Meanwhile, Gen Z's successors, Gen Alpha – born in 2010 to 2024 – are only now just hitting their teen years, but growing up in a climate where "TikTok influencer" is a real career that anyone with a smartphone and a dream can aspire to.

In its forecast for 2024, TikTok highlighted what will continue to keep the app relevant in the popular culture landscape. One as-set is its multiple post formats – confessional videos, lip-synching and dance videos, and photo slideshows - which allow users to experiment and reinvent how they tell their life stories.

Another is the ability of its algorithm to organically introduce users to new, unexpected topics across geographical lines, such as #girlmath and #tubegirl. Dr Shilpa Madan, assistant pro-

fessor of marketing at Singapore Management University, says this TikTok feature has helped users from around the world better understand and learn about other cultures and perspectives – a function that will continue to serve

it well into 2024.
"Through TikTok, people can explore traditions, cuisines, music and lifestyles from around the world, fostering a greater understanding and appreciation of global diversity," she notes.

But its longevity depends on several things. "These factors include digital wellness and privacy concerns, intense competition

concerns, intense competit among social media apps, regulatory issues, content moderation and misinformation, changing and misinformation, changing user demographics, and shifts in advertising trends," she says.

"Its future relevance lies in its ability to adapt to user needs, leverage its unique format for different purposes, and continue innovating in response to the changing digital landscape."

Will 2024 be the year TikTok achieves world domination? If the app can continue to evade threats. break cultural barriers and foster the creative ecosystem that gives it its unique "rizz" (slang for charisma), then it will ace the ultimate TikTok challenge of staying rele-vant in a world always hungry for the next viral trend.