



# GOSH!

THE FUTURE  
IS HERE

The Tokyo Motor Show opens this week with plenty of futuristic technologies but absent of Nissan's Carlos Ghosn



- MOVIES: THE LIGHTHOUSE
- BOOKS: DEAR GIRLS: INTIMATE TALES, UNTOLD SECRETS & ADVICE FOR LIVING YOUR BEST LIFE BY ALI WONG
- MUSIC: COLORADO BY NEIL YOUNG WITH CRAZY HORSE
- TRAVELOG: AFGHAN REFUGEE'S 'DREAM' COFFEE SHOP

DRIVE IN

Lindsey Bahr, AP Film Writer

PATTINSON AND DAFOE SHINE IN 'THE LIGHTHOUSE'

AP PHOTO



Willem Dafoe (left) and Robert Pattinson in a scene from "The Lighthouse"

Enter "The Lighthouse" at your own risk. This is a stark, moody, surreal and prolonged descent into seaside madness that will surely not be for everyone. But those who do choose to go on this black-and-white journey with Robert Pattinson and Willem Dafoe will ultimately find it a rewarding one, even if the blaring fog horn rings in your ears for days to come. Director Robert Eggers has made something truly visionary — stripped down and out of time — that asks the viewer to simply submit to his distinctive, strange, funny and haunting tale of a pair of "wickies" in 1890 New England tasked with keeping the lighthouse running. Pattinson and Dafoe make for inspired casting choices for this two-hander, with Pattinson as the rookie, Winslow, a former timber man who was looking for a different life, and Dafoe as the greying veteran, Wake, who is determined to keep things in order. Winslow is not exactly an eager student or subordinate. He wants the lighthouse to be his as soon as he gets to the island. He does not have a seafarer's attention to detail and is ill-equipped to handle

the endless drudgery of keeping the house tidy and shoveling rocks back and forth across the island. Plus, he's been having some increasingly demonic and disturbing dreams, has made an enemy of a taunting sea bird and also has to deal with Wake's constant badgering and flatulence (seriously). But Wake knows that there's a reason for their backbreaking work, seemingly unnecessary chores and ancient superstitions ("It's bad luck to kill a sea bird," he tells Winslow, advising him to stop quarrelling with his winged tormentor). Boredom, he says later, makes men turn to villains. All they have are their tasks to keep them from going mad. Naturally, madness finds them anyway. The film becomes a kind of phantasmagoria as you are left wondering what's real, what's imagined and whether or not that even matters. Eggers, who broke out with the terribly creepy "The Witch," continues to prove his unique ability to transport an audience to a different time. He relishes in the language of the era and gives both his stars deliciously odd monologues to chew on and spurt out.

The dialogue may be minimal — in fact it takes more than a few minutes for the first word to be uttered — but that bare bones approach makes what is said even more impactful. "The Lighthouse" is a triumph of mood and vision, like the love child of Andrei Tarkovsky and David Lynch that knows that its actors are just a small piece of the overall composition. The

sounds of the sea, the waves crashing violently against the rocks, the birds, that cursed fog horn and the looming eye of the lighthouse are all equal co-stars. That's not to diminish the joy of the acting, however. Pattinson and Dafoe have a wonderfully complex relationship that at times even borders on that of a bickering married couple whose passion is long gone.

If there is a complaint to be made, it is simply that "The Lighthouse" doesn't exactly justify its nearly two hour runtime. While the images and actors remain transfixing, the experimental approach starts to wear thin after about 60 minutes. After 90 it's downright mind-numbing and repetitive. That's not to say that it is not worth it. In fact, this is a movie that demands

to be consumed distraction-free. But by the end, you might find yourself feeling as crazy and untethered as the wickies.

"The Lighthouse," an A24 release, is rated R by the Motion Picture Association of America for "sexual content, nudity, violence, disturbing images, and some language." Running time: 110 minutes. ★★★★★

BOOK IT

ALI WONG'S RAUNCHY HUMOR CHARMS IN 'DEAR GIRLS'

AP PHOTO



In comedian Ali Wong's "Dear Girls," Wong opens by declaring that she was nervous to write a book because she didn't feel smart enough. She found her groove, she says, when she realized that she could embrace her vulgar and silly self and release any pressure to sound particularly intellectual or wise. And yet Wong proves herself to be as brilliant as ever, showcasing her unique ability to use jokes about things like poop and other bodily excretions to communicate relatable and important truths about everything from parenthood to marginalization. "Dear Girls" gives readers a glimpse into Wong's life before and since her Netflix special, "Baby Cobra," made her a household name. The book is structured as a series of letters to Wong's two daughters, with whom she was famously pregnant in each of her first two Netflix specials. Wong dispenses advice to Mari and Nikki through exceedingly honest stories about her life (which she forbids them from reading until they are at least 21 years old). The book is laugh-out-loud funny, each chapter filled with that signature Ali Wong charm. Wong is self-assured and raunchy, yet at the same time vulnerable and sentimental. There is so much love in these pages between Wong and her family. She writes beautifully about her parents, siblings, daughters and husband. She also writes about bombing at tiny comedy clubs, being broke in New York City, dating the wrong men and ultimately, "trapping" her husband. Molly Spraygen, AP

"Dear Girls: Intimate Tales, Untold Secrets & Advice for Living Your Best Life," Random House, by Ali Wong

TTUNES

NEIL YOUNG BACK IN HIS RAGGED GLORY WITH 'COLORADO'

AP PHOTO



Neil Young with Crazy Horse, "Colorado" (Reprise)

Neil Young is back with his old band Crazy Horse in all their ragged glory with "Colorado," a beautiful, rambling, chaotic howl against climate change, division and hate. It's one of Young's best record in years, reminiscent of 1989's triumphant "Ragged Glory," and his first with Crazy Horse since 2012. Young, an old man showing no signs of slowing down at 73, cranks up both his rage and tenderness as only he can with the latest incarnation of Crazy Horse behind him. The band members have spent 50 years recording on and off with Young. The latest version features longtime Bruce Springsteen guitarist Nils Lofgren, who replaces retired 70-year-old Frank "Poncho" Sampedro. But just like Young, Crazy Horse seems to defy the passing of time with the energy and emotion they bring to "Colorado." That passion is on full display on "Mountaintop," a companion documentary that captured the recording session high in the Rockies as Young and Crazy Horse suck on oxygen and work out the new songs. The sweetly melodic three-minute opening track "Think of Me" could easily fit on Young's 1992 "Harvest Moon." But in a sharp left turn, Young follows it up with a shambolic 13-minute jam — "She Showed Me Love" — with echoes of earlier Crazy Horse adventures like 1969's "Down by the River." As he has for much of the past decade, Young focuses his rage on climate change, railing about "old white guys trying to kill Mother Nature." Scott Bauer, AP

NEWS OF THE WORLD

Yuri Kageyama, AP Business Writer



Suzuki Every



Nissan IMk



Suzuki Hanare

The Tokyo Motor Show opens this week with plenty of futuristic technologies but absent one of the auto industry's hugest influencers: Nissan's former Chairman Carlos Ghosn.

Since Ghosn's arrest for alleged financial misconduct in November 2018, Nissan has seen its sales and profits tumble drastically.

At a presentation to reporters this week, two senior Nissan executives talked up electric vehicles featured at Nissan Motor Co.'s booth. Ghosn is gone, but his legacy was evident in the many initiatives he spearheaded while running the company for nearly two decades.

As the company struggles to recover from nearly a year of chaos in its leadership, its rivals are pushing ahead.

The Tokyo show gives automakers a chance to showcase some of the industry's upcoming mobility technology, including ecological fuel cells and personal transport devices that look like scooters.

The show also features virtual reality shows and sports performances by robots. For kids, there are sections devoted to Legos, miniature cars and driving games.

Toyota Motor Corp. Chief Executive Akio Toyoda took center stage, appearing first as an animation character in his likeness named Morizo. "We put people first," Toyoda

# Tokyo auto show, visions for cars of the future, no Ghosn

said, standing on a huge stage designed to evoke a futuristic city.

Toyota said his company will focus on "the power of people," offering services in addition to new models, such as ecological commuting, mobile charging and the use of robotics and artificial intelligence to connect people in cars.

The main goal of the Tokyo show has been to woo Japanese consumers. World premieres are usually made at the U.S. shows, in Detroit and Los Angeles.

But all the major Japanese automakers had sprawling colorful booths.

American automakers like General Motors Co. and Ford Motor Co., which have poor sales in Japan, usually skip the show, including this year. Among the more conspicuous foreign participants was French automaker Renault SA, Nissan's alliance partner, whose booth faced Nissan's.

Yokohama-based Nissan's newly named CEO, Makoto Uchida, and his predecessor Hiroto Saikawa, who resigned last month over his own financial

scandals, did not make appearances at the media presentation.

Nissan officials said Uchida hasn't officially taken up his post and is still in charge of Nissan's China joint venture. His successor there has not yet been chosen and it's unclear if all that will be done within this year, they said.

At this year's show, Nissan introduced two concept model electric vehicles, one a sport-utility vehicle and the other a tiny car, known as "kei" in Japan that its executives said would become commercial products soon. Nissan pioneered electric vehicles, leading the industry with its Leaf hatchback, said Kunio Nakaguro, executive vice president in charge of research and development. Nissan has sold 430,000 Leafs.

Design chief Alfonso Albaisa, who also took stage, stressed how Nissan models boasted futuristic sleek and what he called "charming" forms characteristic of Japanese culture to highlight a bright future. "So much innovation in such a little box," he exclaimed of the tiny IMk concept car.

The Nissan executives also highlighted plans for bringing new technologies, such as "hands off driving" and "automated parking" to market.

"We are not just going big on electrification. We are also thinking big on next generation driver assistance technology," said Albaisa.

Running on a loop on huge screens at Nissan's booth was a video of tennis superstar Naomi Osaka, who has signed on to promote Nissan.

"Exactly a year ago, an upset of the century," it said, referring to Osaka's Grand Slam win.

Nissan has appeared rudderless at times since the sudden departure of Ghosn, who was sent by Renault to lead a spectacular turnaround at the company in the late 1990s.

Ghosn says he is innocent. He was released on bail after a dramatic months' long struggle with prosecutors who insisted he should stay in detention. He is awaiting trial, likely not until next year, for allegedly falsifying financial documents to hide future compensation as well as charges of breach of trust

in making dubious payments to businessmen for personal gain, according to Tokyo prosecutors.

In statements and comments on videotape, Ghosn has insisted that Japanese executives at Nissan plotted against him out of fears the company might lose some of its autonomy in a merger with Renault.

Nissan announced earlier this year that it's cutting 12,500 jobs, or about 9% of its global workforce, to reduce costs and achieve a turnaround.

The reshuffling of its top leadership and measures to strengthen its governance should have come earlier, analysts say.

Such serious problems send negative signals to managers and employees throughout a company, and enable cover-ups that result in poorer quality products, undermining profits in a competitive market, said Cindy Schipani, a professor of business law and governance expert at the University of Michigan.

"The bottom line is that corporate governance requires leadership with integrity. Otherwise, they could send the company into a downward spiral," Schipani said.



Suzuki Hustler



Honda NSX



Nissan Ariya

**TRAVELOG**

Nasser Karimi & Mohammad Nasiri, AP



Hamed Azar, a 25-year-old Afghan refugee, makes coffee for customers at his basement Tehran coffee shop in Tehran, Iran.

With each serving of French press coffee poured delicately into a cup with steamed milk, 21-year-old Afghan refugee Fatemeh Jafari lives out a dream in her basement coffee shop in Tehran that is out of reach for millions like her in Iran. More than 3 million Afghans, including as many as 2 million who entered the country without legal permission, live in the Islamic Republic, according to United Nations estimates. Even those legally in

Iran face challenges in finding work, with many taking jobs as laborers for cash under the table. Jafari hopes her "Telma Cafe" ("Dream Cafe") in Tehran will help bridge the divide between Afghans and Iranians and fight the xenophobia many Afghans face in Iran. "Many think that Afghans are unable to speak Farsi with the Iranian accent or are illiterate," Jafari told The Associated Press on a recent day at the café. "But when they come here, they see

Afghan university students for themselves and get to know our culture and dialect better and it is very interesting for them. Here their false presumptions about us are transformed and Iranians and Afghans sometimes even make friends with each other." Jafari added: "We people are not as different from each other as some may imagine." Afghan refugees began arriving in Iran in 1978, following their country's communist military



**FRIENDS: AFGHAN REFUGEE'S 'DREAM' C**

coup and the subsequent Soviet occupation. The occupation ended in 1989, giving way to years of civil war and ultimately a Taliban-controlled government. Then came the 9/11 terror attacks on New York and Washington, and the subsequent U.S.-led invasion targeting al-Qaida leader Osama bin Laden, whom the Taliban harbored. Since President Donald Trump's decision last year to unilaterally withdraw the U.S. from Tehran's nuclear deal with world powers, some

Afghans have begun returning home as Iran's economy suffers. But many still remain in the country, like the Iranian-born Jafari. Jafari, an Azad University law student, worked with her friend Hamed Azar, another Afghan who studies engineering, to open the café in Tehran's bustling Ferdowsi neighborhood near the city's old downtown. They worked hard to receive a permit from government authorities — no easy task given that Labor

Ministry's normal policy of not allowing Afghans to run cafes. They raised money from their parents and used their own cash to open the business. They couldn't rely on a bank loan as Iranian banks do not give loans to foreigners, even those with Iranian residency permits. They made their own tables and chairs, ran their own plumbing and picked up paintbrushes to create the café. "We told ourselves, we will either succeed or fail, but let's

**RESTAURANTS**

**CANTONESE**



**IMPERIAL COURT**  
Monday - Friday  
11am - 3pm / 6pm - 11pm  
Saturday, Sunday & Public Holidays  
10am - 3pm / 3pm - 11pm  
T: 8802 2361  
VIP Hotel Lobby, MGM MACAU

**BEIJING KITCHEN**  
Level 1, Grand Hyatt Macau  
Opening Hours  
11:30 - 14:30 / 17:30 - 23:30



**KAM LAI HEEN**  
Grand Lapa, Macau  
956-1110 Avenida da Amizade, 2/F  
T: 8793 3821  
11:00 - 15:00 / 18:00 - 22:00  
(Close on Tuesday)

**SHANGHAI MIN**  
Level 1, The Shops at The Boulevard  
Opening Hours  
11:00 - 15:00; 18:00 - 22:30

**SHANGHAI**

**CATALPA GARDEN**  
Mon - Sunday  
11:00 - 15:00 / 17:30 - 23:00  
Hotel Royal, 2-4  
Estrada da Vitoria  
T: 28552222

**FRENCH**



**AUX BEAUX ARTS**  
Monday - Friday  
6pm - 12midnight  
Saturday - Sunday  
11am - 12midnight  
T: 8802 2319  
Grande Praça, MGM MACAU



**BRASSERIE**  
Level 3, The Parisian Macao  
Monday - Sunday:  
11:00am - 11:00pm  
Tel: +853 8111 9200

**GLOBAL**

**CAFÉ BELA VISTA**  
Grand Lapa, Macau  
T: 87933871  
Mon -Thurs  
06:30 - 15:00 / 6:00 - 22:00  
Fri - Sunday  
06:30 - 22:00

**MEZZA9 MACAU**  
Level 3, Grand Hyatt Macau  
Opening Hours  
Dinner: 18:00 - 22:30



**VIDA RICA (RESTAURANT)**  
2/F, Avenida Dr Sun Yat Sen, NAPE  
T: 8805 8918  
Mon - Sunday  
6:30 - 14:30 / 18:00 - 23:00



**MORTON'S OF CHICAGO**  
The Venetian(r) Macao-Resort-Hotel  
Taipa, Macau  
T:853 8117 5000  
mortons.com  
• Bar  
Open daily at 3pm  
• Dining Room  
Monday - Saturday: 13:00 - 23:00  
Sunday: 17:00 - 22:00

**ABA BAR**

**ABA BAR**  
5pm - 12midnight  
T: 8802 2319  
Grande Praça, MGM MACAU

**COPA STEAKHOUSE**  
3/F, Sands Macao Hotel  
OPENING HOURS:  
Cocktails: 4:30 pm - 12:00 am  
Dinner: 5:30 pm - 11:00 pm  
Tel: +853 8983 8222



**PASTRY BAR**  
10am - 8pm  
T: 8802 2324  
Level 1, MGM MACAU



**Rossio**  
7am - 11pm  
T: 8802 2372  
Grande Praça, MGM MACAU



**NORTH BY SQUARE EIGHT**  
11am - 1am  
T: 8802 2388  
Level 1, MGM MACAU



21-year-old Afghan refugee Fatemeh Jafari poses for a photo at her basement Tehran coffee shop

## COFFEE SHOP IN IRAN BECOMES REALITY

try," Jafari said. At first, some customers thought Jafari and her colleagues were Chinese or Japanese because of their Asiatic features, which are common among Afghanistan's Hazara ethnic group. But Jafari attributed that simply to Iranians' limited exposure to Afghans living in the country. The cafe's menu includes Afghan meals such as country's famous Bolani bread, a thin, quesadilla-like flat bread that is baked or fried and stuffed with potatoes,

lentils and other vegetables. An Iranian barista has offered to help Jafari learn new techniques. Café culture remains huge in Iran, with many cafes in university neighborhoods around Tehran where students and young people can be seen sitting and talking. "Launching this café is an excellent thing and is absolutely remarkable," said Sepehr Haghhighazar, a 24-year-old Iranian architecture graduate who learned about the café from its Instagram account,

which has nearly 15,000 followers. "There is a misperception among many Iranians when it comes to Afghans. The fact is that there is no special difference between them and us." Jafari is lucky. One Afghan customer who declined to give his name because he was criticizing Iranian government policy toward Afghan immigrants, said he couldn't get a permit to open a barber shop. "I passed the medical test and have got-



Two Iranians eat at an Afghan cafe in downtown Tehran, Iran.

ten vaccinations but still I can't get the mandatory Health Ministry permit to open my shop," he said. "I pay my taxes in this country and pay for my hepatitis tests and other vaccines myself. Why shouldn't I enjoy the same options and opportunities as others?" Some things have gotten better for Afghans in Iran. The country has allowed Afghans to access health care and education. In October, Iran also ratified a bill granting citi-

zenship to children of Iranian mothers and non-Iranian fathers. That has allowed more than 100,000 children of Iranian women married to foreign nationals, mostly Afghans and Iraqis, to become Iranian citizens. Iran, meanwhile, has suggested that it could allow its Afghan population to travel on to Europe while trying to pressure the European Union to do more to save the nuclear deal. Iranian officials have also suggested, however, that they

want more Afghan immigrants to return home. "In recent years, we have witnessed a tiny number of voluntarily repatriated refugees to Afghanistan from Iran," Iran's Interior Minister Abdolreza Rahmani Fazli told a meeting of the U.N.'s refugee agency last week in Geneva. "We expect the international community, the Afghan government and UNHCR to focus on the return and sustainable reintegration of the refugees."



南苑  
SOUTH

**SOUTH BY SQUARE EIGHT**  
24hrs  
T: 8802 2389  
Level 1, MGM MACAO

### ITALIAN

**LA GONDOLA**  
Mon - Sunday  
11:00am - 11:00pm  
Praia de Cheoc Van, Coloane,  
next to swimming pool  
T: 2888 0156



**PORTOFINO**  
Casino Level1, Shop 1039,  
The Venetian Macao  
TEL: +853 8118 9950



**FW RIO GRILL & SEAFOOD MARKET**  
Tel: (853) 8799 6338  
Email: riogrill\_and\_seafoodmarket@fishermanswharf.com.mo  
Location: Cape Town, Macau Fisherman's Wharf

### JAPANESE

**SHINJI BY KANESAKA**  
Level 1, Crown Towers  
Lunch 12:00 - 15:00  
Dinner 18:00 - 23:00  
Closed on  
Tuesday (Lunch and Dinner)  
Wednesday (Lunch)

### ASIAN PACIFIC



**GOLDEN PEACOCK**  
Casino Level1, Shop 1037,  
The Venetian Macao  
TEL: +853 8118 9696  
Monday - Sunday:  
11:00 - 23:00

### PORTUGUESE

**CLUBE MILITAR**  
975 Avenida da Praia Grande  
T: 2871 4000  
12:30 - 15:00 / 19:00 - 23:00

**FERNANDO'S**  
9 Praia de Hac Sa, Coloane  
T: 2888 2264  
12:00 - 21:30

### THAI

**NAAM**  
THAI RESTAURANT

**NAAM**  
Grand Lapa, Macau  
956-1110 Avenida da Amizade, The Resort  
T: 8793 4818  
12:00 - 14:30 / 18:30 - 22:30  
(Close on Mondays)

### BARS & PUBS

**38**

**38 LOUNGE**  
Altrira Macau,  
Avenida de Kwong Tung, 38/F Taipa  
Sun-Thu: 13:00 - 02:00  
Fri, Sat and Eve of public holiday:  
15:00 - 03:00

**THE BAR AT THE COUNTDOWN**  
Level 1, The Countdown Hotel  
Opening Hours  
Sun to Thu:  
11:00 - 23:00  
Fri & Sat:  
11:00 - 24:00

### THE ST. REGIS BAR

Level One, The St. Regis Macao  
Cuisine: Light Fare  
Atmosphere: Multi-Concept Bar  
Setting: Refined, Inviting  
Serving Style: Bar Menu  
Dress Code: Casual  
Hours: 12:00 PM - 1:00 AM;  
Afternoon Tea: 2:00PM - 5:30 PM  
Phone: +853 8113 3700  
Email: stregisbar.macao@stregis.com



**D2**  
Macau Fisherman's Wharf  
Edf. New Orleans III  
Macao

**VIDA RICA BAR**  
2/F, Avenida Dr. Sun Yat Sen, NAPE  
T: 8805 8928  
Monday to Thursday: 12:00 - 00:00  
Friday: 12:00 - 01:00  
Saturday: 14:00 - 01:00  
Sunday: 14:00 - 00:00

**VASCO**  
Grand Lapa, Macau  
956-1110 Avenida da Amizade, 2/F  
T: 8793 3831  
Monday to Thursday: 18:30 - 12:00  
Friday to Saturday: 18:00 - 02:00  
Sunday: 18:00 - 24:00

**WHAT'S ON**



**TODAY (OCT 25)**

LYRIC POETRY – WORKS OF ARTISTS IN MACAU AND PORTUGAL FROM THE MAM COLLECTION

Since the 1980s, with Macau's economy undergoing rapid development, local and Portuguese artists in Macau have also embarked on a poetic journey of exchange. Through major exhibitions held on a regular basis coupled with fruitful exchanges, Macau contemporary art has developed steadily, from exploration and experimentation to innovation and maturity. This time, taking on the curatorial theme 'lyric poetry', the exhibition showcases more than 90 outstanding works in MAM collection, from oils, acrylics, and watercolour paintings, to mixed-media paintings, sculptures and installations that fully reflect the creative outcomes of contemporary artists, besides revealing rich Chinese and Portuguese cultural connotations. The 60 artists featured include local Chinese and Macanese artists, as well as Portuguese artists who have settled or exhibited in Macau.

TIME: 10am-7pm (no admittance after 6:30pm; closed on Mondays)  
 UNTIL: November 4, 2019  
 VENUE: Macau Museum of Art  
 ADMISSION: Free admission  
 ORGANIZER: Macau Museum of Art  
 ENQUIRIES: (853) 8791 9814  
[www.mam.gov.mo](http://www.mam.gov.mo)



**TOMORROW (OCT 26)**

FIMM: ENCOUNTER FOUR SEASONS - SEJONG SOLOISTS, SVETLIN ROUSSEV AND YEOL EUM SON

Hailed as "one of the top ensembles of today" by CNN, Sejong Soloists has established itself as a first-class string orchestra renowned for its exceptional dynamic style with ranges of quartet-like precision to full orchestra resonance, and is highly praised for its diverse performances, documentaries and recordings. From the masterworks of Bach, Mozart and Tchaikovsky to eclectic programmes with 20th century masterpieces and music by distinguished living composers, the ensemble has performed all over the world with renowned solo artists in major music halls and festivals. Sejong Soloists served as ensemble-in-residence at the Aspen Music Festival and School from 1996 to 2005, and as host ensemble for the Great Mountains International Music Festival and School in Pyeongchang, Republic of Korea, since its inception from 2004 through 2010.

TIME: 8pm  
 VENUE: Macau Cultural Centre Small Auditorium  
 ADMISSION: MOP200, MOP250  
 ORGANIZER: Macau Cultural Bureau  
 ENQUIRIES: (853) 8399 6699  
<http://www.icm.gov.mo/fimm/33/en>  
 KONG SENG TICKETING SERVICE: 2855 5555  
[www.macauticket.com](http://www.macauticket.com)



**SUNDAY (OCT 27)**

FIMM: SERENADE OF STRINGS - SEJONG SOLOISTS AND SOPHIA SU

Sejong Soloists has a deep commitment to nurturing the next generation of musical talent. In its second concert, the string orchestra will share the stage with Macau's violin prodigy Sophia Su and perform Haydn's Violin Concerto No. 1. It will perform the breathtaking Serenade for String Orchestra by Tchaikovsky, a work which was alluded to his idol Mozart, as well as a modern work by Korean composer Sukhi Kang premiered in 2006. Sophia Su is the youngest winner of the Cultural Affairs Bureau Prize at the Macau Young Musicians Competition at the age of six in 2008. In 2012, she won the First Prize in the Yundi Macau Young Musicians Competition and in 2016, she was awarded the Third Prize at the International LOUIS SPOHR Competition for Young Violinists in Germany. She performed in Bravo Macau! at the Macau International Music Festival in 2015, and is currently studying at The Juilliard School with Cho-Liang Lin and Masao Kawasaki.

TIME: 8pm  
 VENUE: Macau Cultural Centre Small Auditorium  
 ADMISSION: MOP200, MOP250  
 ORGANIZER: Macau Cultural Bureau  
 ENQUIRIES: (853) 8399 6699  
<http://www.icm.gov.mo/fimm/33/en>  
 KONG SENG TICKETING SERVICE: 2855 5555  
[www.macauticket.com](http://www.macauticket.com)



**MONDAY (OCT 28)**

2019 MACAU TAOIST FESTIVAL

The 2019 Macau Taoist Festival highlights the city's rich heritage wrought by centuries of Oriental spiritual beliefs, customs and culture. It includes showcases of the city's Taoist ritual music and of the traditional martial art Tai Chi. Taoist ritual music has already been listed as part of China's Intangible Cultural Heritage. The festival programme also includes an exhibition of Taoist artefacts.

EXHIBITION OF TAOIST PAINTING, CALLIGRAPHY, PHOTOGRAPHY, ALTARS, AND ARTEFACTS  
 TIME: 9am-5pm  
 DATE: October 28-November 1, 2019  
 VENUE: Mount Fortress Corridor

TAOIST RITUAL MUSIC PERFORMANCE  
 TIME: 2:30pm (November 3)  
 Venue: Dom Pedro V Theatre  
 ADMISSION: Free tickets distributed from 2:30pm to 5:30pm every day from Oct 15th at Macau Taoist Association – Avenida do Almirante Lacerda 41, Edifício Industrial Yau Sek 2B  
 ORGANIZER: Macau Taoist Association  
 ENQUIRIES: (853) 2825 9196  
[www.macaotaoist.org](http://www.macaotaoist.org)



**TUESDAY (OCT 29)**

2019 MACAU OPEN BADMINTON

The Macau Open Badminton Championship has been held since 2006 and it is also part of the HSBC BWF World Tour. The Open attracts 300 top competitors from around the world every year, stimulating local interest, and the development of badminton in Macau. A few local contestants are hoping to make it through the qualification rounds and compete for the prize money. Last year the women's singles winner was Canada's Michelle Li, now Number 9 in the BWF World Rankings.

TIME: 9am (October 29-30)  
 12pm (October 31-November 3)  
 VENUE: Tap Seac Multisport Pavilion  
 ADMISSION: MOP150 per day (October 29 to November 1 to November 1)  
 MOP400 per day (November 2-3)  
 ORGANIZER: Badminton Federation of Macau  
 ENQUIRIES: (853) 6698 9877  
 KONG SENG TICKETING SERVICE: 2855 5555  
[www.macauticket.com](http://www.macauticket.com)



2ND MACAU OCEAN CULTURE FESTIVAL

The Macau Ocean Culture Festival returns in 2019 – following an inaugural edition in 2017 – with a series of cultural activities to celebrate the city's history as a port, and its maritime traditions. The programme includes an exhibition featuring a junk boat berthed near Sai Van Lake Square, offering outings on the lake.

CREATIVE DESIGN COMPETITION EXHIBITION  
 TIME: open 24 hours  
 UNTIL: December 19, 2019  
 VENUE: Sai Van Lake

BOAT RIDES AND TRADITIONAL SONG PERFORMANCES  
 TIME: 5pm-5:20pm (October 10 & November 10)  
 VENUE: Sai Van Lake  
 ADMISSION: Free admission to all events; registration in advance at Facebook [porthistorymacau](http://porthistorymacau)  
 ORGANIZER: History and Culture Association of Port of Macau  
 FACEBOOK: [porthistorymacau](http://porthistorymacau)  
[www.porthistory.org.mo](http://www.porthistory.org.mo)



### WEDNESDAY (OCT 30)

RETROSPECTIVE EXHIBITION ON THE PAST NATIONAL LOTUS FLOWER EXHIBITIONS

This year's Macau Lotus Flower Festival was among the most colourful ever staged, with the city also hosting the 33rd National Lotus Flower Exhibition to mark the 20th anniversary of the Macau SAR. You can find a reminder of those splendours via the Retrospective Exhibition on the Past National Lotus Flower Exhibitions.

TIME: 9am-1pm & 2:30pm-5:30pm (closed on Mondays)

UNTIL: December 31, 2019

VENUE: Guia Hill Nature Information Station (next to cable car station)

Admission: Free

ORGANIZER: Municipal Affairs Bureau

ENQUIRIES: 2888 0087

[nature.iam.gov.mo/lotus2019](http://nature.iam.gov.mo/lotus2019)



### THURSDAY (OCT 31)

FIMM CLOSING CONCERT: THE YELLOW RIVER CANTATA - MACAU ORCHESTRA AND CHINA NCPA ORCHESTRA AND CHORUS

2019 marks the 70th anniversary of the founding of the People's Republic of China and the 20th anniversary of Macau's return to the motherland. In celebration of this commemorative occasion, Macau Orchestra will join hands with China NCPA Orchestra and Chorus to present a concert featuring both Chinese historical classics as well as modern works. Through the representative art songs from the first half of the 20th century, the beginning of this concert looks back at the vicissitudes and transformations in China's modern history. The moving melody of Song of the Seven Sons evokes the close and deep connection between Macau and the motherland. The majestic momentum of The Yellow River Cantata in the second half of the concert portrays the tenacity of the Chinese nation and its strength to forge ahead that elevates our pride.

TIME: 8pm

VENUE: Macau Cultural Centre Grand Auditorium

ADMISSION: MOP200, MOP250

ORGANIZER: Macau Cultural Bureau

ENQUIRIES: (853) 8399 6699

<http://www.icm.gov.mo/fimm/33/en>

KONG SENG TICKETING SERVICE: 2855 5555

[www.macauticket.com](http://www.macauticket.com)

# Sands WEEKEND



### 2019 COCO LEE "YOU & I" WORLD TOUR - MACAO

8pm, 26 October, Saturday  
Cotai Arena, The Venetian Macao

To celebrate the 25th anniversary of her career, the popular singer Coco Lee decided to launch her brand new 2019 CoCo Lee "YOU & I" World Tour, and as she believes it is her fans who have made her who she is today, wanted to acknowledge the special relationship in the name of the tour. For this tour's song selection Lee has chosen her most classic songs from the past 25 years and will perform them with contemporary new arrangements, to offer a fresh and dynamic sound. Limited tickets still available.

Tickets: From MOP380

Reservations: +853 2882 8818 or [cotaiticketing.com](http://cotaiticketing.com)



### BRUNCH EXTRAVAGANZA AT PORTOFINO

Every Saturday  
Shop 1039, Level 1, The Venetian Macao

It's your weekend and you deserve to treat yourself and the whole family to a fun-filled SATURDAY. Join us at Portofino for an unforgettable BRUNCH extravaganza and indulge in amazing Italian and Mediterranean dishes with the best selection of fresh seafood, live cooking stations, and the famous Venetian entertainment.

Time: 11:30am - 3:30pm

Price: Adult from MOP538\* | Child from MOP270\*

Reservations: +853 8118 9950 or [portofino.reservation@sands.com.mo](mailto:portofino.reservation@sands.com.mo)

\*Subject to 10% service charge.



### ENJOY OUR SELECTION OF SICHUAN DELICACIES

Until 30 November  
Shop 1015, Level 1, The Venetian Macao

Try our special Sichuanese menu at North and experience the delicious hot dishes of one of China's most famous regional cuisines. Signature dishes include Crispy beef with dried chilli, cumin and sesame seeds, and Clam and Chinese baby lobster in sesame chilli oil.

Reservations: +853 8118 9980 or [north.reservation@sands.com.mo](mailto:north.reservation@sands.com.mo)



### PARISIAN PRIVÉ STYLING SUITE

Shop 310d, Level 3, Shoppes at Parisian

The Parisian Privé Styling Suite, a new and unique service exclusive to Shoppes at Parisian, is an intimate, bespoke space where you can enjoy personalised styling consultation with our Fashion Stylist for the latest looks, trends and fashion tips, as well as make-up and gift recommendations for special occasions. Whether you need a wardrobe update, plan a shopping spree or are just looking for a special gift, our Styling service is designed to meet the needs of each and every individual.

Time: 12pm to 8pm Daily (Closed on Tuesdays)

Reservations: +853 8111 2733 or [info.stylingsuite@sands.com.mo](mailto:info.stylingsuite@sands.com.mo)



澳門金沙度假區

**Sands**  
RESORTS MACAO



# World of Wonder

EXPLORING THE REALMS OF HISTORY, SCIENCE, NATURE AND TECHNOLOGY

## CHEMICAL REACTIONS

### Chemists

Chemists study and investigate the composition and properties (characteristics) of matter. These scientists use formulas called chemical equations to record and summarize their findings.

### It's elemental

An element is the most basic of chemical substances and the building block for all other substances.

All chemical elements are made of one kind of atom. No two elements share the same kind of atom.

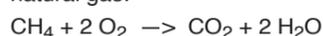
There are 118 known elements, 24 of which are man-made elements.

Chemists use letters of the alphabet to represent elements. For example, H<sub>2</sub>O is the chemical formula for a water molecule. Water is a compound made of two hydrogen atoms and one oxygen atom.

### Equations

Chemists create chemical equations using a combination of symbols to record substances and chemical changes.

For example, combustion is the process by which a material burns in air, giving off light and heat. The following chemical equation describes the combustion of methane, the main ingredient in natural gas:



(That is, one molecule of methane and two molecules of oxygen yield one molecule of carbon dioxide and two molecules of water.)

The reactants appear on the left side of the equation, and the products appear on the right. The arrow indicates that a chemical reaction has occurred.

### Types of reactions

**Reduction:** A chemical reaction in which a substance gains electrons.

**Combustion:** A chemical reaction that gives off heat and light.

**Femtochemistry:** The branch of chemistry in which chemical reactions are detected as they occur and the reaction times are measured.

**Hydrolysis:** A chemical reaction involving water as one of the reacting substances.

**Oxidation:** A chemical reaction in which a substance loses electrons.

SOURCES: *World Book Encyclopedia*, World Book Inc.; [www.historyforkids.org](http://www.historyforkids.org); [www.kidssciencezone.com](http://www.kidssciencezone.com); [www.chem4kids.com](http://www.chem4kids.com); [www.scienceprojectideas.co.uk](http://www.scienceprojectideas.co.uk)

A chemical reaction is the combination of two or more substances (reactants) to form an entirely new product. Chemical changes are regular occurrences in nature, and a part of what makes life possible. Chemical reactions are also used to make many man-made materials and are an important part of industry.



### Symbols

Some elements with their chemical symbols:

Element	Symbol
Aluminum	Al
Barium	Ba
Beryllium	Be
Boron	B
Calcium	Ca
Carbon	C
Chlorine	Cl
Chromium	Cr
Copper	Cu
Fluorine	F
Gold	Au
Helium	He
Hydrogen	H
Iron	Fe
Lead	Pb
Magnesium	Mg
Manganese	Mn
Mercury	Hg
Oxygen	O
Phosphorus	P
Potassium	K
Silicon	Si
Silver	Ag
Sodium	Na
Sulfur	S
Titanium	Ti
Tungsten	W
Uranium	U
Zinc	Zn
Zirconium	Zr

### Changes

An indicator can often be observed when a chemical reaction happens.

**A gas forms:** Evidence of bubbles or container expansion is observed.

**A change in taste or smell:** Use your senses and common sense here.

**Color change:** Colors can be like chemical fingerprints for many substances. Color change may indicate that a chemical reaction has occurred.

**A precipitate forms:** Solid particles that "rain down" (precipitate) to the bottom of a container.

**Temperature changes:** When chemical bonds are made or broken, temperature changes can occur.

**Light is emitted:** Fireflies and deep-sea creatures produce light using chemical reactions.

**A change in state:** Liquids change to solids; solids to liquids; solids or liquids change to gas.

**DANGER:** Some indicators can be highly toxic; do not taste or smell indicators while experimenting!

### Lab safety

Always wear safety goggles.

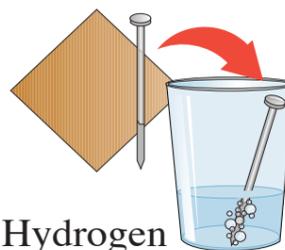
Work slowly and accurately.

Wear your hair back.

Don't put your fingers in your eyes, nose or mouth.

Don't mix unknown chemicals.

Don't eat or drink when doing experiments.



### Hydrogen

**Materials needed:**

A long iron nail, sandpaper, a clear plastic cup and vinegar.

**Steps:**

1. Pour an inch or two of vinegar into the clear plastic cup.
2. Use the sandpaper to sand down the tip of the iron nail.
3. Stand the nail upright in the cup of vinegar.

Soon, bubbles begin to form around the iron nail. These are hydrogen bubbles.

**It works because:** Vinegar (acetic acid) reacts with iron, dissolving it and releasing hydrogen.

### Cleaning pennies

Oxygen in the air reacts with copper, making a dirty-looking copper-oxide coating on pennies.

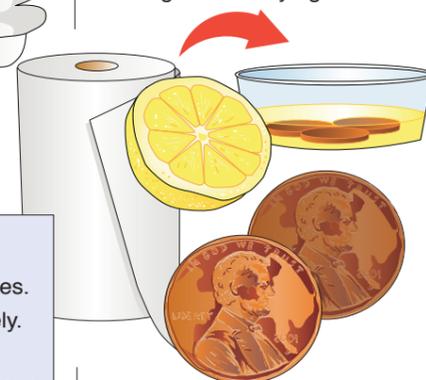
**Materials needed:**

Paper towel, citrus juice (lemon or grapefruit), plastic cup or bowl, trashed pennies.

**Steps:**

1. Put a small amount of citrus juice in the bottom of the cup.
2. Put dirty copper coins in the juice, and let them soak for a few minutes.
3. Remove the coins from the cup and place them on the paper towel.

**It works because:** The acid in the citrus juice reacts with the oxide and removes it from the coins, making them shiny again.



### Turn coins green

**Materials needed:**

Saucer, vinegar, salt, pennies and a paper towel.

**Steps:**

1. Fold the paper towel a few times to make a thick cushion.
2. Soak the paper towel in vinegar and salt and lay it on the saucer.
3. Place the pennies on the paper towel and leave them there.
4. Check on the pennies every few hours and record your observations — leave them for a full day to get the best results.



**It works because:** When the vinegar and salt dissolve the copper-oxide layer, they make it easier for the copper atoms to join oxygen from the air and chlorine from the salt to make a blue-green compound called "verdigris."

At a bookstore near you, two full-color World of Wonder compilations: "Plants & Animals" and "People & Places." For more information, please visit [QuillDriverBooks.com](http://QuillDriverBooks.com) or call (800) 605-7176.

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