WELCOME TO

THE 73RD IIW ANNUAL ASSEMBLY AND INTERNATIONAL CONFERENCE 2020

SINGAPORE | 19TH – 24TH JULY 2020

CIRCULAR NO. 2

Hosted by

Supported by
WELCOME MESSAGE

Just after a short span of 11 years, Singapore Welding Society (SWS) again has the great honor and privilege to organize the 73rd IIW Annual Assembly and International Conference in our beautiful city-state Singapore. On behalf of IIW and SWS, I would like to extend our warmest welcome to invite you to Singapore for the most important IIW event at the iconic Marina Bay Sands Expo & Convention Centre during 19-24 July 2020.

Singapore is a dynamic city-state rich in contrast and color where you’ll find a harmonious blend of culture, cuisine, arts and architecture. A bridge between the East and the West for centuries and located in the heart of Southeast Asia, Singapore continues to embrace tradition and modernity today. Brimming with energy and bustling with exciting events, the city offers countless unique, memorable experiences waiting to be discovered.

Welding and joining play an important role in various industries. Manufacturing has been the engine of Singapore’s economy since the country’s independence in 1965. Today, it accounts for around 20% of the nation’s Gross Domestic Product (GDP). Over the years, Singapore has built a diverse base of industries, occupying leadership positions in the aerospace, semiconductor, chemicals, and biomedical sciences sectors. Singapore’s world-class manufacturing ecosystem makes it one of the best places globally for manufacturers to design and execute their global manufacturing strategies. Some of the impressive achievements include:

- 70% world market share in jack-up rigs
- 60% of the world’s micro-arrays and one-third of the world’s thermal cyclers and mass spectrometers
- 20% world market share for ship repair
- 10% of the global aerospace maintenance, repair and overhaul (MRO) output
- World’s 5th-largest producer of refined oil, and ranks among the top 10 globally in terms of chemicals exports by volume

Singapore is truly a city like no other. Most of the event venues used during 73rd IIW Annual Assembly were not even built when we organized the 62nd IIW Annual Assembly 11 years ago. Therefore, you will have a very new and fascinating experience for this event. With Singapore’s friendly and welcoming people, state-of-the-art infrastructure and something new happening daily, your stay will be memorable.

Once again, we are looking forward to welcoming you to Singapore in July 2020.

Chairman of Organising Committee
Dr Zheng SUN
19 to 24 July 2020

Marina Sands Expo and Convention Centre
10 Bayfront Avenue
Singapore 018956

Marina Bay Sands is a premier entertainment destination with its vibrant diversity of attractions and facilities.

Located along the Marina Bay waterfront, Marina Bay Sands features three cascading hotel towers tapped by an extraordinary sky park, ‘floating’ crystal pavilions, a lotus-inspired Museum, retail stores featuring cutting-edge labels and international luxury brands, trendy Celebrity Chef restaurants, endless entertainment at the theatres, the hottest nightclubs and a Las Vegas-style casino.

The Conventions and Exhibitions facilities feature state-of-the-art technology with highly flexible exhibition halls and a convention centre that can host over 45,000 delegates.

Marina Bay Sands is linked directly to the Bayfront train station on the Circle Line and Downtown Line of Singapore’s Mass Rapid Transit (MRT) train system.

MRT services to and from Bayfront station operate daily from 6am to 12am. Visit the TransitLink Journey Planner to learn of the service schedules to Bayfront Station.

How to exit Bayfront Station:

- **Exit A** - Connects to Bayfront Avenue street level.
- **Exit A** - Connects to Gardens by the Bay.
- **Exits C & D** - Connect to The Shoppes at Marina Bay Sands (1 minute walk), Sands Expo & Convention Centre (3 minute walk), the Hotel (5 minute walk), Sands SkyPark (10 minute walk), ArtScience Museum (10 minute walk), and Sands Theatre (10 minute walk). Signs direct the way to each location and other attractions at Marina Bay Sands.
- **Exit E** - Connects to Sands Expo & Convention Centre.

**Contact Information**

Secretariat for 73rd IIW Annual Assembly & International Conference

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secretariat@iiw2020.com

Exhibition Secretariat: Lina (Ms)
info@iiw2020.com

+65 6338 3896 (GMT + 8)
+65 98194278 (valid from 18-24 July 2020)
The Singapore Welding Society (SWS) was founded in July 1977 with the objective of promoting welding and joining technology, skills and qualifications to the local industry. Over the past four decades, the society has been actively promoting and contributing to safety, quality and productivity in the Oil & Gas, Chemical, Marine & Offshore, Construction and Aerospace industries.

The objectives:
- To promote the technical advancement of the science, art, process, work, occupation, practice and standard of welding and joining.
- To promote the use of ancillary or complementary sciences, arts, processes and occupations and the attainment of knowledge to conduct researches and experiments.
- To disseminate, extend, impart and promote knowledge of all systems of welding and their respective application to industrial purposes.
- To promote proficiency and to consider, originate and promote reforms and improvements in methods of welding and the use and application of welding for industrial or commercial endeavours.

The International Institute of Welding (IIW) was founded in 1948 by the welding institutes/societies of 13 countries who considered it crucial to make more rapid scientific and technical progress possible on a global level.

The IIW’s Mission is to operate as the global body for the science and application of joining technology, providing a forum for networking and knowledge exchange among scientists, researchers and industry. Through the work of its 23 Technical Working Units, the organisation’s technical focus encompassed the joining, cutting and surface treatment of metallic and nonmetallic materials by such processes as welding, brazing, soldering, thermal cutting, thermal spraying, adhesive bonding and micro joining.
Located at the crossroads of East and West, Singapore is well-positioned to reach close to 4 billion people within a 7-hour flight radius. IIW2020 will be able to leverage Singapore’s strategic location in Asia Pacific to achieve significant headways into the region.

With four passenger terminals, Changi Airport is one of Asia’s best-connected airports and voted World’s Best Airport by Skytrax for 7 years in a row. It serves over 123 international and budget airlines, which fly to some 418 cities across 103 countries around the world, providing delegates many convenient options to travel to Singapore.

As one of Asia’s best-connected airports, Changi Airport serves more than 100 international and budget airlines connecting to over 400 cities in more than 100 countries, with over 7,400 scheduled weekly flights. Delegates from over 150 cities have the option of taking direct flight to Singapore.

Changi Airport as it is commonly known is more than an airport. It houses four terminals: Terminal 1, 2, 3 and 4. The airport is located at the eastern edge of Singapore with a direct link to the city via Singapore’s MRT (mass rapid transit train system) from Terminal 2 & 3. Taxi and limousine are available, and it takes approximately 30 minutes depending on traffic to the city.
AIRPORT TRANSFER

**TRAINS**
The Singapore’s Mass Rapid Transit (MRT) train system operates from Changi Airport station (CG2) to the city. There are various routes to get to the city; the best is to take the train towards Tanah Merah MRT station (EW4) and transfer at Expo (CG1/DT35) to the Downtown Line towards Bukit Panjang MRT Station. The station to alight is Bayfront station (CE1/DT16).

Alternatively, transfer at Tanah Merah MRT Station (EW4) to the East West Line toward Tuas Link Station. At Paya Lebar MRT Station transfer to the Circle Line towards Marina Bay. Alight at Bayfront MRT Station.

**TAXIS**
The most convenient way to get to the city from the airport is by taxi. Taxis are available at the taxi stands at the Arrival levels of each Terminal. The journey to the city is estimated to cost between SGD18.00 and SGD38.00 and takes approximately 30 minutes.

Fares are metered and there is additional airport surcharge for all trips originating from the airport with SGD5 airport surcharge from 5.00pm to 12.00am (Fridays to Sundays) and SGD3 airport surcharge at all other times. Midnight surcharge of 50% of final metered fare – 12.00am to 6.00am (daily).

**LIMOUSINE TAXIS & LARGE TAXIS**
The service uses dedicated taxis to bring you to any destination in Singapore. Please approach the Ground Transport Desks at the Arrival Halls.

Rates:
- 4 seater Limousine Taxi – SGD55.00* per departure (from airport)
- 7 seater Large Taxi – SGD60.00* per departure (from airport)

*Additional surcharge of $15.00 applies per additional stop. Information posted on this page are correct at time of publishing but may be subjected to changes. It is recommended that you check with the relevant organisation/authorities for the latest information.

**AIRPORT CITY SHUTTLE**
The Airport City Shuttle will bring passengers to most downtown hotels at a rate of SGD9.00 per adult and SGD6.00 per child (2 years to 12 years).

The shuttle departs every 15 minutes during peak hours and every 30 minutes during nonpeak hours. Bookings are via [online form](https://example.com).

Upon arrival, head to Ground Transport Desk at the arrival hall and present your printed confirmed order summary. The staff will direct you to boarding point.

For additional information check out the Airport Guide via [HERE](https://example.com).
TRAVELLING WITHIN SINGAPORE

BY TRAIN
Singapore’s MRT (mass rapid transit) system is probably the fastest way to zip around the city. The extensive rail network means that most of Singapore’s key attractions are within walking distance from an MRT station.

You can buy tickets for single trips, but if you intend to use the MRT and basic bus services frequently during your visit, you can buy a Singapore Tourist Pass (STP), a special EZ-Link stored-value card which will allow you unlimited travel for one day (S$10), two days (S$16) or three days (S$20). The cards can be bought at the TransitLink Ticket Office at the MRT stations. Singapore’s trains and stations are accessible to wheelchair users and the visually impaired, as well as families with strollers.

For train network and information, click HERE.

BY TAXI
Taxis are comfortable and especially handy if you want to go to places not accessible by the bus or MRT. Taxis here are metered, but there may be surcharges depending on when, where and which company’s taxi you board. To get a rough idea of the final fare, check with the driver on the surcharges and ask for a receipt at the end of the trip. You can hail a taxi by the roadside at most places, or by queuing for one at taxi stands found at most shopping malls, hotels and tourist attractions.

If you wish to book a cab, you can call a common taxi booking number, 6-DIAL CAB (6342-5222), and your call will be routed to an available taxi company’s call centre. There are total of 6 taxi operators in Singapore. Under the ComfortDelGro there are Comfort and CityCab, the others are HDT, Premier Taxis, Prime Taxi, SMRT and Trans Cab.

You may wish to download the ComfortDelGro Taxi App HERE.

ComfortDelGro Taxi is one of Singapore’s oldest taxi operator with 48 years of experience. Their taxis are blue (Comfort) or yellow (CityCab) and they accept all credit cards including Apple Pay, Google Pay, UnionPay etc.

Alternatively you may also wish to download the GRAB App to book a budget or premium taxi.

Download GRAB App HERE or scan the QR code.

BY BUS
Singapore’s bus system has an extensive network of routes covering most places in Singapore and is the most economical way to get around, as well as being one of the most scenic. You can pay your bus fare using an EZ-Link stored-value card or the Singapore Tourist Pass (STP), which you tap on the card reader located next to the driver as you board. Do remember to tap your card again, on the reader located at the rear exit, when you alight. You can also pay in cash but you will need to have exact change. Most buses in Singapore have air-conditioning - a welcome comfort in a tropical city.

There are a total of four bus operators, SBS Transit, SMRT Buses, Tower Transit and Go-Ahead Singapore. All offer affordable and convenient transport all round the island.

You can use the E-Guide to get information on the bus routing.
VISA Requirements

Singapore has been ranked **top in the world** for ease of visa requirements and perception of international openness, by *World Economic Forum’s Travel & Tourism Competitiveness Index 2017*. Other than a few countries, **nationals from many countries do not require an entry visa for a 30-day social visit to Singapore**. For those that do, visa-processing time ranges from **three to five working days**.

Visa applications can be made through the following:
1) Nearest Singapore mission;
2) More than 330 authorised visa agents globally;
3) Online via Immigration & Checkpoints Authority of Singapore website (http://www.ica.gov.sg)

The few countries that require visas for social visits are included in the list below.

<table>
<thead>
<tr>
<th>Country</th>
<th>Visa Details</th>
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<tbody>
<tr>
<td>Afghanistan</td>
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<td>Armenia</td>
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<td>Azerbaijan</td>
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<td>Bangladesh*</td>
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<td>Belarus</td>
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<tr>
<td>Democratic People’s Republic</td>
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<td>Egypt</td>
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<tr>
<td>Georgia†</td>
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<tr>
<td>Hong Kong (China SAR)</td>
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<td>Kyrgyzstan†</td>
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<tr>
<td>People’s Republic of China^</td>
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<td>Turkmenistan†</td>
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<td>Algeria</td>
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<tr>
<td>Turkmenistan†</td>
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Exemptions from visa requirements:
* Diplomatic, Official and Service passport holders
† Diplomatic, Official and Service passport holders for a stay of up to 30 days
^ Diplomatic, Public Affairs and Service passport holders for a stay of up to 30 days
× Diplomatic passport holders for a stay of up to 30 days
~ Diplomatic, Official and Service passport holders for a stay of up to 90 days
# Diplomatic and Service passport holders for a stay of up to 90 days

Information is accurate as of Jan 2019. For full list of countries or regions requiring visa and more details, please visit the ICA website.

Language & Cultural

Singapore is a cosmopolitan society where people live harmoniously and interaction among different races are commonly seen. Majority of Singaporeans are bilingual in English and one of the other three official languages (Malay, Tamil and Mandarin Chinese).

The official language of the 73rd IIW Annual Assembly and International Conference is English.

Climate

Singapore is located extremely close to the equator; thus the island is hot and humid year-round, with temperatures usually reaching over 30°C. The average humidity in Singapore is always above 80 percent.

The average temperature in Singapore in July will reach the average low is 28°C, and the average high is 33°C. Rainstorms are possible any time.

Currency

The official currency in Singapore is Singapore Dollars (currency code SGD). Most major credit cards are accepted in hotels and shops.

Please note that Cash, AMEX, Visa and Mastercard are accepted at the IIW2020 registration desk.

The Singapore Dollars exchange rate for United States Dollars is about USD$1 to SGD1.38 (rate as per December 2019) and subject to change.

Money can be changed at most banks throughout the country, or at currency exchange locations (often a booth at an airport, shopping centre and tourist areas). Banks are usually open 9:00 – 17:00 (Monday – Friday).

Since the IIW 2020 venue is in Marina Bay Sands, the nearest ATM can be found at the official hotel.
MORE INFORMATION

NO SMOKING AREAS – There are no smoking in all air-conditioned places such as malls and eateries. There are designated smoking areas in some entertainment outlets and open-air eateries. Please note that the conference venue is strictly no smoking.

ELECTRICITY AND VOLTAGE – The standard voltage is 230V and the frequency is 50 Hz. You can use your electric appliances in Singapore, if the standard voltage in your country is in between 220 - 240 V (as is in the UK, Europe, Australia and most of Asia and Africa).

TAP WATER – Singapore’s tap water is well within international guidelines set by the World Health Organisation, as well as the United States Environmental Protection Agency’s drinking water standards. It is suitable for drinking without further filtration or boiling.

TAX REFUND – For all overseas guest a refund of the 7% Goods and Services Tax (GST) can be refunded if more than SGD100 is spent at any participating shops. Refund can be done at the airport at departure.

TIME ZONE – Singapore’s Time Zone is UTC/GMT + 8 hours

SAFETY – Singapore is generally safe, with a courteous culture and active police presence. There are no significant safety and security concerns. You should take normal security precautions.

TELEPHONE SERVICES & USEFUL NUMBERS – When calling to Singapore, use international prefix / area code (+65) + local number.

Emergency Ambulance & Fire: 995
Non-Emergency Ambulance: 1777
Police Emergency: 999
Police Hotline: 1800 255 0000
Traffic Police: 6547 1818

TIPPING – Tipping is encouraged when good service is experienced. This would be above the standard 10 percent gratuity added to your bill by some restaurants and hotels.

SINGAPORE CONSUMER PROTECTION ADVISORY

While Singapore retailers have fair business practices, there are a small number of shops and restaurants that might make your shopping experience less than ideal. Here are some smart shopping tips to ensure that your retail experience is a pleasant one:

- Price Research and Comparison
- Note that purchases make are usually final
- Check receipts or invoices for accuracy
- Verify what your “international warranty” covers

For additional assistance or to flag inappropriate retailer behavior, call Tourist line at 1800 736 2000 (toll-free in Singapore), or (65) 6736 2000 (from overseas). Tourist line operates from Mondays to Fridays (excluding Public Holidays), 9am to 6pm.
REGISTRATION FEE STRUCTURE

REGISTRATION FEE

<table>
<thead>
<tr>
<th>REGISTRATION FEES</th>
<th>EARLY REGISTRATION by 30 May 2020</th>
<th>STANDARD REGISTRATION from 1 June 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delegate, Expert, Observer</td>
<td>SGD1,800</td>
<td>SGD2,000</td>
</tr>
<tr>
<td>Young Professional (Delegate, Expert, Observer)</td>
<td>SGD1,150</td>
<td>SGD1,250</td>
</tr>
<tr>
<td>Student (Annual Assembly &amp; International Conference)</td>
<td>SGD 700</td>
<td>SGD 800</td>
</tr>
<tr>
<td>Student (International Conference Only)</td>
<td>SGD 500</td>
<td>SGD 550</td>
</tr>
<tr>
<td>International Conference Only</td>
<td>SGD 850</td>
<td>SGD 950</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>SGD 600</td>
<td>SGD 650</td>
</tr>
</tbody>
</table>

Those wishing to be officially registered as a delegate or member of a specific commission(s) or group(s) are invited to contact their national Member Society for official appointment.

- Young professionals must be able to provide evidence that they have been employed in the field of materials joining for not more than five years and under the age of 35.
- Proof of student status will be required.
- Only persons registered as Delegate/ Expert/ Observer or Young Professional will be entitled to register any "Accompanying Persons".

Fees are quoted in Singapore Dollars (SGD). These prices are final.

Note: Payments must be received by the corresponding deadlines (early or regular), otherwise the subsequent rate will be automatically applied.

Delegate, Expert, Observer
1. Access to all sessions including the Annual Assembly, International Conference and Exhibition
2. Name badge, conference bag and handbook
3. One ticket to the Welcome Reception
4. One ticket to the Singapore Nite
5. One ticket to the Gala Banquet

Young Professional*
1. Access to all sessions including the Annual Assembly, International Conference and Exhibition
2. Name badge, conference bag and handbook
3. One ticket to the Welcome Reception
4. One ticket to the Singapore Nite
5. One ticket to the Gala Banquet
6. One ticket to the Young Professional’s Evening and Ice Breaker session

Student (International Conference Only)
1. Access to International Conference and Exhibition
2. Name badge, conference bag and handbook
3. Conference Proceedings
4. One ticket to the Gala Banquet
5. One ticket to Conference Lunch

*Students must be able to supply documentary evidence as proof of their student status.

International Conference Only
1. Access to International Conference and Exhibition
2. Name badge, conference bag and handbook
3. Conference Proceedings
4. One ticket to the Gala Banquet
5. One ticket to Conference Lunch

Accompanying Persons Registration includes (Annual Assembly Only)
1. Name badge
2. One ticket to the Welcome Reception
3. One ticket to the Singapore Nite
4. One ticket to the Gala Banquet

Student (Annual Assembly and International Conference)
1. Access to all sessions including the Annual Assembly, International Conference and Exhibition
2. Name badge, conference bag and handbook
3. One ticket to Welcome Reception
4. One ticket to Singapore Nite
5. One ticket to the Gala Banquet
6. One ticket to the Young Professional’s Evening and Ice Breaker session

*Students must be able to supply documentary evidence as proof of their student status.

Methods of Payment

Registration fees must be paid in SGD by one of the following methods:
1. Credit or Debit Card
2. Bank Transfer

Select payment mode when registering on the website.

All bank transfer amounts should be minus bank charges. Any banking fees accrued from the transfer is the responsibility of each party.

Credit cards and cash only are accepted at the onsite registration desk.
## ACCOMMODATION

### OVERVIEW

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Rate in SGD (Single)</th>
<th>Rate in SGD (Double)</th>
<th>Distance to conference venue</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5-STAR</strong></td>
<td></td>
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</tr>
<tr>
<td>Marina Bay Sands Hotel</td>
<td>From SGD395++</td>
<td>From SGD395++</td>
<td>Main IIW2020 venue, 1.3km (a 15 minute walk)</td>
</tr>
<tr>
<td>Pan Pacific Singapore Hotel</td>
<td>From SGD325++</td>
<td>From SGD325++</td>
<td></td>
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<tr>
<td><strong>4-STAR</strong></td>
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<tr>
<td>Concorde Hotel Singapore (Young Professional Hotel)</td>
<td>From SGD230++</td>
<td>SGD245++</td>
<td>2.6km (take the Circle Line)</td>
</tr>
<tr>
<td>Carlton Hotel Singapore</td>
<td>From SGD255++</td>
<td>From SGD255++</td>
<td>2.0km</td>
</tr>
<tr>
<td><strong>3-STAR</strong></td>
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</tr>
<tr>
<td>V-Hotel @ Lavender</td>
<td>From SGD185++</td>
<td>From SGD185++</td>
<td>3.9km (take the East West Line)</td>
</tr>
<tr>
<td>Hotel Clover @ Hong Kong Street</td>
<td>From SGD 160++</td>
<td>From SGD 160++</td>
<td>2.5km (take North East &amp; Downtown Line)</td>
</tr>
</tbody>
</table>

### OTHER HOTEL CHOICES

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Distance to Conference Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>ParkRoyal on Beach Road</td>
<td>2.7km</td>
</tr>
<tr>
<td>Ibis Singapore on Bencoolen</td>
<td>3.5km</td>
</tr>
<tr>
<td>InterContinental Hotel Singapore</td>
<td>1.7km</td>
</tr>
</tbody>
</table>
OFFICIAL HOTEL

Marina Bay Sands Hotel
10 Bayfront Avenue
Singapore 018956

The organising committee of IIW2020 is pleased to offer an official hotel with special considerations on security, accessibility and price. There are 3 towers and the hotel is located across the road from the convention centre. There is route via basement to the convention centre and mall.

INFORMATION

Rooms are limited. Scan the following QR code for more information:

Other Hotels

Pan Pacific Singapore
Overlooking Marina Bay, this high-end business hotel is a 5-minutes walk from the Promenade train station.

This 5-star hotel is directly connected to the Marina Square Mall and Suntec Convention Center.

Information: 7 Raffles Blvd, Singapore 039595
Website: https://panpacific.co/2oQAljL
Distance from Pan Pacific Hotel to the convention centre: 1.3km

Concorde Hotel Singapore
Strategically located on the world famous Orchard Road and within the commercial and shopping district of Singapore, Concorde Hotel Singapore, is a 4-star hotel, is just minutes away from the official Marina Sands convention centre.

Information: 100 Orchard Road, Singapore 238840
Website: https://singapore.concordehotelsresorts.com/
Distance from Concorde Hotel to the convention centre: 2.6km

Carlton Hotel Singapore
Strategically located along Bras Basah Road, this 4-star hotel is within walking distance to convention centres, historical landmarks, museums, shopping areas and the entertainment belt.

Information: 76 Bras Basah Road, Singapore 189558
Website: https://www.carltonhotel.sg/
Distance from Carlton Hotel to the convention centre: 2.0km

V-Hotel @ Lavender
Conveniently located above the Lavender MRT Station (East West Line), the hotel is 20 minutes train ride away from Changi International Airport and minutes away from the main shopping belt.

Information: 70 Jellicoe Road, Singapore 208767
Website: https://www.vhotel.sg/Lavender/index.html
Distance from V-Hotel to the convention centre: 3.9km

Hotel Clover @ Hong Kong Street
Hotel Clover is a collection of modern, innovative boutique hotel. Conveniently located in the colourful and lively Clarke Quay area where there are popular restaurants, and trendy clubs around.

Information: 5 Hong Kong Street, Singapore 059648
Website: https://5hongkongstreet.hotelclover.com/
Distance from Hotel Clover to the convention centre: 2.3km
ACCOMMODATION

MORE OTHER HOTELS

**ParkRoyal on Beach Road**
Nestled along Singapore’s city centre, this hotel is close to all the best attractions along Bugis and the business hubs.

This 4-star hotel 2.7km from the official Marina Sands convention centre and the train station (Circle Line) is about 15 minutes walk.

Information: 7500 Beach Road, Singapore 199591
Website: [https://panpacific.co/2RlAAi5](https://panpacific.co/2RlAAi5)
Distance from ParkRoyal on Beach Road Hotel to the convention centre: 2.7km

**Ibis Singapore on Bencoolen**
The hotel is located in the heart of Singapore’s cultural, business and shopping district. Bugis, Haji Lane, Little India, Chinatown and Orchard Road are all within walking distance from hotel or easily accessible by public transport. The hotel is linked to Changi Airport by Bugis MRT which is about 8 minutes walk away from the hotel.

This 3-star hotel is 3.5km from the official Marina Sands convention centre.

Information: 170 Bencoolen Street, Singapore 189657
Distance from Ibis Singapore on Bencoolen Hotel to the convention centre: 3.5km

**InterContinental Singapore**
This hotel is minutes away from Marina Bay and the Central Business District with direct access to Bugis train station.

This 5-star hotel is 1.7km from the official Marina Sands convention centre.

Information: 80 Middle Road, Singapore 188966
Distance from InterContinental Hotel to the convention centre: 1.7km
### PROGRAMME OVERVIEW

<table>
<thead>
<tr>
<th>Saturday 18 July 2020</th>
<th>Sunday 19 July 2020</th>
<th>Monday 20 July 2020</th>
<th>Tuesday 21 July 2020</th>
<th>Wednesday 22 July 2020</th>
<th>Thursday 23 July 2020</th>
<th>Friday 24 July 2020</th>
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<tbody>
<tr>
<td>1400 – 1600 General Assembly</td>
<td>1100 – 1230 Working Units Meeting</td>
<td>1100 – 1230 Working Units Meeting</td>
<td>1100 – 1230 Working Units Meeting</td>
<td>1100 – 1230 International Conference</td>
<td>0900 – 1100 TMB</td>
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<td>1600 – 1740 YP Ice Breaker Session</td>
<td>1400 – 1600 Working Units Meeting</td>
<td>1400 – 1600 Working Units Meeting</td>
<td>1400 – 1600 Working Units Meeting</td>
<td>1400 – 1600 International Conference</td>
<td>1100 – 1230 International Conference</td>
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<tr>
<td>1930 – 2200 Welcome Reception</td>
<td>1900 – 2300 Singapore Nite</td>
<td>1900 – 2300 YP Evening BoD Dinner</td>
<td>1930 – 2300 Gala Banquet</td>
<td>1230 – 1400 Conference Lunch</td>
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## TECHNICAL COMMISSIONS & WORKING UNITS

### COMMISSIONS

<table>
<thead>
<tr>
<th>C-I</th>
<th>Additive Manufacturing, Surfacing, and Thermal Cutting</th>
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<tbody>
<tr>
<td>C-II</td>
<td>Arc Welding and Filler Metals</td>
</tr>
<tr>
<td>C-III</td>
<td>Resistance Welding, Solid State Welding and Allied Joining Process</td>
</tr>
<tr>
<td>C-IV</td>
<td>Power Beam Processes</td>
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<tr>
<td>C-V</td>
<td>NDT and Quality Assurance of Welded Products</td>
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<td>C-VI</td>
<td>Terminology</td>
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<td>C-VII</td>
<td>Microjoining and Nanojoining</td>
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<td>C-VIII</td>
<td>Health, Safety and Environment</td>
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<td>C-IX</td>
<td>Behaviour of Metals Subjected to Welding</td>
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<td>C-X</td>
<td>Structural Performances of Welded Joints – Fracture Avoidance</td>
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<td>C-XI</td>
<td>Pressure Vessels, Boilers and Pipelines</td>
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<td>C-XII</td>
<td>Arc Welding Processes and Production Systems</td>
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<tr>
<td>C-XIII</td>
<td>Fatigue of Welded Components and Structures</td>
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<tr>
<td>C-XIV</td>
<td>Education and Training</td>
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<tr>
<td>C-XV</td>
<td>Design, Analysis, and Fabrication of Welded Structures</td>
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<tr>
<td>C-XVI</td>
<td>Polymer Joining and Adhesive Technology</td>
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<tr>
<td>C-XVII</td>
<td>Brazing, Soldering and Diffusion Bonding</td>
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<td>C-XVIII</td>
<td>Quality Management in Welding and Allied Processes</td>
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### WORKING UNITS

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<tr>
<th>Study Group (SG)</th>
<th>BOARD/Board of Directors</th>
<th>TMB/Technical Management Board</th>
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<tr>
<td>SG-212</td>
<td>SG-RES</td>
<td>Welding Research Strategy and Collaboration</td>
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<td>The Physics of Welding</td>
<td>WiWEdBoard</td>
<td>Editorial Board for Welding in the World</td>
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<tr>
<td>BOARD/Board of Directors</td>
<td>CHAIRWU</td>
<td>Chairs of Working Units</td>
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<tr>
<td>TMB</td>
<td>Technical Management Board</td>
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<td>WG-RA</td>
<td>Working Group Regional Activities</td>
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<td>WG-STAND</td>
<td>Standardization</td>
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<tr>
<td>TG-YL</td>
<td>Young Leaders</td>
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International Authorization Board / IAB Groups

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<tr>
<th>IAB-Board</th>
<th>Board of IAB</th>
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<tbody>
<tr>
<td>IAB-GroupA</td>
<td>Education Training and Qualification</td>
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<tr>
<td>IAB-GroupB</td>
<td>Implementation, Authorization</td>
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<td>IAB-MM</td>
<td>IAB Members Meeting</td>
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</table>
CALL FOR PAPERS

The 73rd Annual Assembly of International Institute of Welding (IIW) and International Conference on “Advances in Joining, Additive Manufacturing and Surface Technology” will take place at Marina Bay Sands Hotel and Convention Centre from 19 to 24 July 2020.

This event aims to provide a platform for knowledge exchange and networking among scientists, researchers and industry experts in the field of welding and joining.

Prospective authors are invited to submit abstracts and papers for the International Conference and find out more on the website.

Conference Themes

- Brazing and Soldering
- Micro and Nano joining.
- Laser Welding
- Friction Stir Welding
- Linear Friction Welding
- Advanced arc welding process
- Intelligentized welding manufacturing
- Numerical welding simulation
- Design, analysis and fabrication of welded structures
- Welding of high strength steels
- Joining of ceramics
- Non-destructive testing
- Additive Manufacturing – powder bed 3D printing
- Additive Manufacturing – directed energy deposition
- Cold spray processing for structural repair
- Corrosion of welded joints

Important Dates

- 15 December 2019: Abstract submission opens
- 15 February 2020: Abstract submission deadline
- 1 March 2020: Notification to authors about status
- 30 April 2020: Early Registration deadline
- 1 June 2020: Submission of Full manuscripts

Call for Papers

Scan this QR code to visit the website for more information of the abstract submission.
**OPENING CEREMONY**

Venue & Address: Cassia Ballroom, Level 3, Sands Expo & Convention Centre, Marina Bay Sands. 
Date: Sunday, 19 July 2020. 
Time: 1800 - 1900. 
Dress code: Business Attire.

The Opening Ceremony of the 73th IIW Annual Assembly and International Conference will take place at the Cassia Ballroom located at Level 3 of the Sands Expo and Convention Centre. The ceremony will welcome all participants, sponsors and exhibitors. The programme includes short speeches by the IIW President, followed by the IIW Prizes and Awards ceremony. The Welcome Reception following the ceremony offers refreshments and beverages.

**WELCOME RECEPTION**

Venue & Address: Pre-Function area of Heliconia Jr Ballroom, Level 3, Sands Expo & Convention Centre, Marina Bay Sands. 
Date: Sunday, 19 July 2020. 
Time: 1900 - 2100. 
Dress code: Business Attire.

With ceiling to floor glass window, the pre-function area of Heliconia Junior Ballroom (Level 3) offers a spectacular view of the bay and financial district for the Welcome Reception. This is a short walk from the Opening Ceremony Cassia Ballroom.
SOCIAL PLANS

SINGAPORE NITE

Venue & Address  Flower Field Hall, Gardens by the Bay 18 Marina Gardens Drive Singapore 018953
Date  Monday, 20 July 2020
Time  1900 - 2200
Dress code  Casual

Gardens by the Bay is a nature park spanning 101 hectares of reclaimed land in the Central Region of Singapore. The garden complex along Marina Bay, just minutes from Marina Bay Sands by foot and it is home of two enormous greenhouses, the Flower Dome and the Cloud Forest.

Singapore is known as the “Garden City”, hence, the Flower Field Hall inside the Flower Dome is the perfect location for Singapore Nite. Delegates will experience Singapore’s multi-culture through the food, the famous Tiger beer, performances and fringe activities.

All guests will be transported to the garden complex by bus (and back) or for those who wish to walk, the mall area has a path leading directly to the garden via the Lions Bridge which opens daily from 8am to 11pm. Alternatively, you may also take the underground link via the Bayfront MRT Station.

Click to check out the video on how to enter Gardens by the Bay from the mall.

GALA DINNER

Venue & Address  Roselle Simpor Ballroom  Level 4, Sands Expo & Convention Centre Marina Bay Sands
Date  Wednesday, 22 July 2020
Time  1900 - 2300
Dress code  Business Attire

With a total space of 3,700 sq meter, Roselle Simpor ballroom is one of the largest ballrooms located at Level 4 of the Marina Bay Sands Expo and Convention Centre.

The ballroom can be easily reached by a back escalator from Level 3 where the main conference rooms are located.

The Gala offers a delicious Asian dinner and great entertainment. The programme includes short speeches and the IIW Flag Handover Ceremony.
The Advanced Remanufacturing and Technology Centre (ARTC) is a contemporary platform built upon strong public-private partnerships to translate research to industry applications. It is led by the Agency for Science, Technology and Research (A*STAR), in partnership with the Nanyang Technological University (NTU).

The ARTC is located at Singapore’s first eco-business park, JTC CleanTech Park, which is based at the Jurong Innovation District. The centre provides a collaborative platform which brings together industry players, public sector research institutes and academia to bridge technological gaps in the adoption of advanced manufacturing and remanufacturing processes.

Established in 2014, the Singapore Centre for 3D Printing (SC3DP) aims to build on Nanyang Technology University’s (NTU) existing strengths and competencies in 3D printing for manufacturing and precision engineering.

Through close collaborations with industry partners, SC3DP will contribute future ready-solutions to impact the community, nation, the world and beyond.
INFORMATION

Singapore is a country bursting full of exciting attractions and fun activities, and the city streets are some of the most multiracial and diverse you will find anywhere in the world. Most hotels have tours offering much of the city’s most iconic sights, landmarks and attractions.

For our conference delegates, we have created a unique experience, to show you WHO WE ARE. Giving you an authentic local experience and interacting with locals rather than as a passive tourist.

SUNGEI BULOH WETLAND RESERVE

This reserve is a burst of natural greenery and rich biodiversity, something which is largely uncommon in Singapore. It is Singapore’s first ASEAN Heritage Park and its trails pass through coastal areas and forest and include mid-canopy walks and migratory bird trails. The entire route covers the distance of 3,700 metres and the reserve is an important stopover point for over 150 species of exotic migratory birds from as far away as Alaska, Siberia, Northern China and Australia, making this an important ecological site within the East Asian Australasian Shorebird Site Network.

UNIQUE EATS IN SINGAPORE

What is Singapore street food like? What are hawker centres and why are they well loved by the locals? Go with us on this journey taking you to visit local wet markets to learn about Singapore’s food culture through its spices, herbs and flavours. Next, sample typically local dishes which uses the ingredients and spices shared earlier by your foodie guide.

Next visit family-run shops to get a behind-the-scenes peek at the food industry. And visit a local popiah (spring-roll) skin maker and watch a live demo of masters of popiah skin making. And have a hands-on session on the art of rolling a perfect popiah. We round this off with a visit to Hawker Chen’s stall which was conferred one Michelin star in 2016 for its Soya Sauce Chicken Rice.

SIGHTS & SOUNDS

Date: 19 July 2020 (Sunday)
Time: From 0900 (4 hours)
Fee: SGD103 per person
(Tour will operate if there is a minimum of 8 people sign up)

Date: 21 July 2020 (Tuesday)
Time: From 0900 (4 hours)
Fee: SGD115 per person
(Tour will operate if there is a minimum of 8 people sign up)
MADE IN SINGAPORE

The development of Singapore to a first world nation in record time has been hailed the world over as an economic miracle. How did this country with limited natural resources managed and what were the major industries that helped shaped the economy of Singapore?

In land-scare Singapore, the country depends heavily on imported food supplies. The confluence of technology, engineering, design and farming has set the stage for transformation in farming.

This tour gives a broad overview of Singapore’s economy and the massive role trade and port activities had on its economy. A very special arrangement to a local coffee roaster to understand how even though Singapore does not grow any coffee or produce any oil, but secondary activities allows us to be plugged into the production chain. This is true of many other industries and is quintessentially Singapore’s story. And finally a visit to an urban farm in the heart of Singapore to understand how innovation can overcome resource constraints of labour and land leading to less dependency of food sources from others.

Date: 20 July 2020 (Monday)
Time: From 0900 (4 hours)
Fee: SGD125 per person
(Tour will operate if there is a minimum of 15 people sign up)

HOME

Fascinated by the Singapore housing story? How did we go from slums to enviable housing for all in 50 years? This tour is about the homes of Singapore, understand what are Housing Development Board (HDB) apartment flats where 85% of locals live. Be marvel at how we plan our land to accommodate our skyscrapers; build our homes; plan our garden city.

This tour brings you to visit HDB homes and meet with the families and learn everything there is to know about life in Singapore. Learn about different HDB home types, visit a typical neighbourhood estate and dive deep into how locals live, shop, eat and mingle.

Date: 23 July 2020 (Thursday)
Time: From 0900 (4 hours)
Fee: SGD150 per person
(Tour will operate if there is a minimum of 8 people sign up)
Singapore comprises of the main island and 62 other offshore islands. Not much is known about these islands. Join us on an exclusive catamaran cruise to the Southern islands. Learn of the uses of these islands in the past and present. What was their significance? Are there resident inhabitants? Also, our island guides will share the important work being done on these islands in research and preservation of healthy coral life.

This tour starts off with an introduction to the geography of Singapore from the perspective of the seas starting with Sentosa island and the rest of the islands. Meet the crew of the luxurious private yacht that will be taking you to these islands that are part of Singapore.

Date: 24 July 2020 (Friday)
Time: From 1300 (4 hours)
Fee: SGD156 per person
(Tour will operate if there is a minimum of 15 people sign up)

IMPORTANT NOTES

➢ The above tours can be booked via the online registration form.
➢ If the minimum number is not met, the tour will not operate. Delegates will be given the option to select and join another tour.
➢ Do note that any fee differences (+/-) due to the change of tour will be charged or refunded back to the delegate accordingly via the same payment mode when registration was made.
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