

Dear friends of CIMAC,

CIMAC and its Chinese National Member Association (CSICE, Chinese Society for Internal Combustion Engines) are pleased to invite you to the 13th CIMAC CASCADES event which will be held on:

DATE: Thursday, 15 August, 2024

TIME: 09:00-17:00

VENUE: Wyndham Grand Qingdao

178 Silver Sand Beach Road, Huangdao District, Qingdao, Shandong, China

<https://www.wyndhamhotels.com/wyndham-grand/qingdao-china/wyndham-grand-qingdao/overview>

This CIMAC CASCADES event offers the opportunity for younger engineers to meet with leading industry experts to exchange information and network together. The objective is to encourage and inspire students and recently graduated engineers to realize their goals in an engineering career.

The core event will be nine short presentations by younger engineers to describe their projects, how they tackled them, the difficulties they encountered and the outcome. The theme around which the presentations will be based is

“Green, Reliable, Intelligent, Efficient”.

The young engineer who gives the outstanding presentation will receive the CIMAC CASCADES AWARD.

Pre-program

On Wednesday, 14th August, there will be a factory tour and a social evening to enable you to meet, and share your experiences, with your contemporaries and established industry experts. You are invited to:

- Technical Tour of Qingdao Copton Technology Co., Ltd., registration at 14:00, at the registration desk.
- Welcome dinner, registration at 18:00, at registration desk.

We look forward to seeing you at CIMAC CASCADES 2024 in Qingdao.



Donghan Jin

Past President of CIMAC

President of Chinese Society for Internal Combustion Engines
(CIMAC Chinese National Member Association)



中国内燃机学会
CHINESE SOCIETY FOR INTERNAL COMBUSTION ENGINES

Registration

Please enter the following website or scan the QR code to register for the CASCADES 2024 in Qingdao.

<http://en.csice.org.cn/meeting/CIMAC12/>



Participation Fee

Participants: RMB 800 (including seminar, welcome dinner and technical tour), approx. 103 EUR

Students: Free of charge (Including welcome dinner and technical tour)

Payment of Participation Fee

Participation fee must be paid in Chinese Yuan (RMB) at the venue or in Euro on website.

On 14th Aug: > At Wyndham Grand Qingdao (at registration desk for the Tour and Dinner)

On 15th Aug: > At Wyndham Grand Qingdao (at registration desk for the Seminar)

(for those joining from 15th August)

You shall receive your CASCADES seminar badges accordingly.

14th August, 2024

09:00 – 12:00	Registration at Wyndham Grand Qingdao
14:00 – 17:00	Optional Technical Tour
18:30 – 20:00	Welcome Dinner

15th August, 2024

08:30 – 09:00	Registration at Wyndham Grand Qingdao
	Opening Speech - Chair: FENG Huihua, Beijing Institute of Technology
	Welcome address by JIN Donghan, China (CIMAC Past President)
09:00 – 09:10	Keynote speech
	Combustion Directional Regulation for Internal Combustion Engines: Theory and Method
	HUANG Zuohua, Xi'an Jiaotong University, China
	Session I - Chair: Yasuyuki Takahata, YANMAR POWER TECHNOLOGY Co., Ltd
09:40 – 10:40	Combustion Performance of Marine Engines Under Reactive Atmosphere Control
	WANG Yang, Harbin Engineering University, China
	Development of Marine Dual Fuel Engine
	Nobuyuki Higa, YANMAR POWER TECHNOLOGY Co., Ltd, Japan
10:40 – 11:00	Coffee Break
	Session II - Chair: LIU Long, Harbin Engineering University
	Nano-additives for Internal Combustion and Micro-Engines: A Boosted Efficiency with Intelligent Emission Control
11:00 – 12:00	Karim Ragui, Hangzhou International Innovation Institute of Beihang University, Algeria
	A Digital Warehouse Using ROM, FBS and RPA for Innovative Reduction of Design Time
	LIM Dae Geun, HD Hyundai Heavy Industry, Korea
12:00 – 14:00	Lunch
	Session III - Chair: CHA Ji Hyoub, Korea Federation of Combustion Engines
	Flame Propagation Characteristics in Hydrogen-Air Mixtures
	KIM Wookyung, Hiroshima University, Japan
14:00 – 15:30	Feasibility Study of Immobilized Carbonic Anhydrase Synthesis Technology and Its Application in the Carbon Capture Field
	LI Ke, Shanghai Marine Diesel Engine Research Institute, China
	Effects of 2-EHN Additive's Volume Fraction and Injection Parameters on Methanol Auto-Ignition Combustion
	KIM Hyunsoo, Korea Advanced Institute of Science and Technology, Korea
15:30 – 16:00	Coffee Break
	Session IV - Chair: LI Xiang, Chinese Society for Internal Combustion Engines
	Intelligent Energy Management in Hybrid-Electric Vehicles: How Deep Learning is Shaping the Future
16:00 – 17:00	Najam Iqbal, Tianjin University, Pakistan
	Enhancing PEMFC Efficiency: A Dual Approach Using PCMs and ANN Modeling
	Iman Sarani, Tianjin University, Iran
17:00 – 17:30	CIMAC CASCADES AWARD

Hotel Accommodation

We kindly ask you to book hotel through sending email to reservation@wyndhamgrandqdw.com.cn and cc jerry.chen@wyndhamgrandqdw.com.cn. **Please include the conference name, your name, check-in and check-out dates, and room types in your booking email.**

Wyndham Grand Qingdao



WYNDHAM GRAND QINGDAO is located on the shores of the Yellow Sea, by the Silver Sands, with direct access to the Silver Sands Scenic Area. It takes only 3 minutes to walk to the beach. The hotel features 518 comfortable sea-view and bay-view rooms and suites, a gym, indoor and outdoor swimming pools, and an indoor children's playground for your comfort and enjoyment. The 3,600-square-meter pillar-less Grand Ballroom can be divided into four separate areas; additionally, the hotel has 28 multifunctional meeting rooms with a total area of 12,800 square meters. The hotel is capable of hosting meetings, banquets, and weddings of various themes, providing you with one-stop conference or wedding services.

Hotel address: 178 Silver Sand Beach Road, Huangdao District, Qingdao, Shandong, China

Telephone: +86 532 5888 6666

E-mail: reservation@wyndhamgrandqdw.com.cn (Please cc jerry.chen@wyndhamgrandqdw.com.cn)

Room rates: Single/ Double: 530 RMB per night (about 68 EUR), including breakfast.

Reservation Due Date: 31st July, 2024.

Please indicate that you are attending the "CIMAC CASCADES", enjoy the corporate rate.

How to reach the city and hotel

Qingdao Jiaodong International Airport: approx. 65km.

By Taxi: 1 hour

Qingdao Railway Station: approx. 22km.

By Taxi: 30 minutes

Qingdaobei Railway Station: approx. 37km.

By Taxi: 45 minutes

Qingdaoxi Railway Station: approx. 30km.

By Taxi: 50 minutes



COPTON®

About the Group

SINCE 1989

Qingdao Copton Technology Co., Ltd. founded in 1989 is the first A-share main board listed company in China's lubricating oil industry (stock code 603798); It is one of the top ten lubricating oil enterprises in China.

Qingdao Copton Technology Co., Ltd. is a professional manufacturer and service provider of lubricating oil and automotive maintenance products. It has two major brands of COPTON® and Roab®, and its product line includes 8 series and 1775 varieties and specifications.

Copton products include automotive lubricating oil, motorcycle lubricating oil, lubricating oil for industrial and mining enterprises, lubricating grease, antifreeze, urea for vehicles, brake fluid and other products, which can provide a comprehensive and efficient lubrication and maintenance scheme for vehicles and equipment, and can develop special oil products according to customer requirements. It has obvious advantages in the fields of nano ceramic engine oil and synthetic industrial oil.

After more than 30 years of hard work, Copton's marketing network covers 32 provinces, cities and autonomous regions, with nearly 1,000 first-tier suppliers, over 60,000 stores and auto maintenance chain stores.


8 Series 8 series of product lines	1775 Varieties 1775 varieties and specifications	32 Regions Marketing network covers 32 regions	60000 stores over 60,000 stores and auto maintenance chain stores
--	--	--	---

R&D and innovation strengthening



- Invested 50 million yuan to build Copton R&D Center
- Passed CNAS national certification.
- Owning professional R&D technical team.

Select global high-quality resources



- Close cooperation with world-famous refining and chemical enterprises and additive companies
- Global centralized purchase and direct supply

Industry-University-Research



- Cooperating closely with world famous chemical enterprises and additive companies
- Cooperating closely with research institutes
- Establishing Research Institute for Automotive Supplies

Formulating national and industry standards



- Is the governing unit of the Chinese Lubricant Standards Alliance Committee (CLSA)
- Presiding over the formulation of three automotive maintenance supplies industry standards
- Participating in drafting the seven national standards
- Owens more than 20 invention and appearance design patent

Quality control



- Passing several Management System Certifications such as ISO 9001, ISO 14001, IATF16949, VDA6.1, etc.
- Arranging 153 quality control points in the whole process.

CONTACT

WANG Lu (Ms.)

Chinese Society for Internal Combustion Engines (CSICE)

No.3111 Huaning Road
Minhang District
Shanghai, P. R. China 201108

Phone: +86-21-31310107
Mobile: +86 188 0173 2469
Email: wanglu@csice.org.cn

