

Congress

Shanghai

MAY 13th – 16th, 2013

13

27th CIMAC World Congress on Combustion Engine Technology

for Ship Propulsion
Power Generation
Rail Traction

CALL FOR PAPERS





Join us and submit your abstract

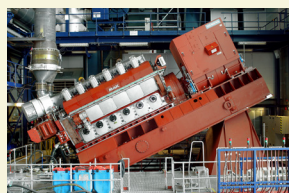
The Chinese Society for Internal Combustion Engines, as the National Member of CIMAC, has the pleasure of organising the 27th CIMAC World Congress on Combustion Engines, scheduled for 13–16 May 2013 in Shanghai/China.

The Congress is devoted to the presentation of papers in the fields of marine, power generation and locomotive engine research and development covering state-of-the-art technologies as well as the application of such engines. Moreover, the event provides the unique opportunity to meet colleagues and customers from the industry around the world.

We sincerely invite you to present your latest developments and technologies focusing on all aspects of the energy conversion process as well as your experience with engines and plants in operation. Contributions on subjects such as performance improvement, emissions reduction and reliability, under the motto “protect our environment and preserve our natural resources”, will be most appropriate for the development of even more environmental friendly engines and applications. We

are looking forward to receiving your contribution and seeing you at the CIMAC Congress 2013 in Shanghai.

Prof. Donghan JIN
President of the 27th CIMAC World Congress



Call for Papers

Papers for presentation will be selected from subjects listed under the respective session(s).



Session 1

Product Development – Diesel Engines

- ◆ New design & development of slow speed, medium speed & high speed engines

Session 2

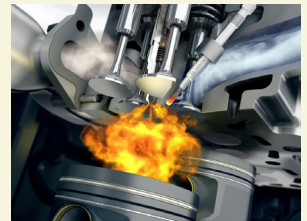
Product Development – Gas & Dual Fuel Engines

- ◆ Product development of new machines & new applications
- ◆ Ignition Systems, spark plugs, coils etc.
- ◆ Gas mixers
- ◆ Gas delivering valves
- ◆ Electronic Control Units (ECUs) & Integrated Systems

Session 3

Fundamental Engineering – Piston Engines

- ◆ Thermodynamics & heat transfer
- ◆ Fluid dynamics & spray dynamics
- ◆ Engine dynamics, mechanical & thermal stress
- ◆ Noise & vibration



Session 4

Environment, Fuel & Combustion – Diesel Engines

- ◆ Exhaust emission reduction technology including combustion
- ◆ Combustion development
- ◆ New fuels development & experience with today's & future fuels



Session 5

Environment, Fuel & Combustion – Gas & Dual Fuel Engines

- ◆ Fundamental development of combustion, exhaust emission
- ◆ Exhaust emission reduction technology including combustion
- ◆ Combustion development
- ◆ New fuels development & experience with today's & future fuels

Session 6

Aftertreatment

- ◆ Secondary exhaust emission reduction technologies
- ◆ New developments in catalytic converters & filter technologies
- ◆ Regenerative thermal oxidation, scrubber technologies



Call for Papers

Session 7

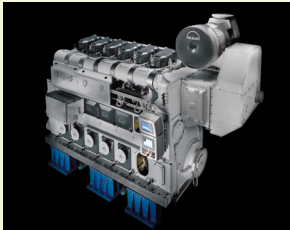
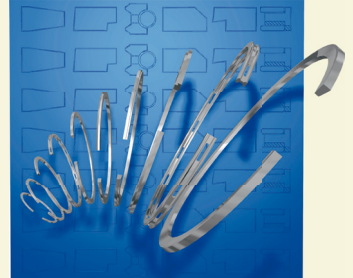
Tribology

- ◆ Tribology of engine components & wear reduction
- ◆ Lubricants for combustion engines

Session 8

Component & Maintenance Technology

- ◆ Pistons, rings & liners
- ◆ Crankshafts
- ◆ Fuel injection systems
- ◆ Bearings, gears and other components
- ◆ Systems for maintenance technology including sensors
- ◆ Vibration damper, elastic coupling & suspension



Session 9

Integrated Systems & Electronic Control – Piston Engines, Gas & Steam Turbines & Applications

- ◆ Electronic control of engines
- ◆ Monitoring & control systems including instruments & detectors
- ◆ New systems and applications
- ◆ Cogeneration
- ◆ Combined cycle
- ◆ Combined systems of engines with fuel cell, turbo machinery etc.

Session 10

Turbochargers

- ◆ Product development of new turbochargers & new applications
- ◆ Fundamental development in aerodynamics, high temperature technology & materials
- ◆ Operating & service experience



Session 11

Users' Aspects – Marine Applications

- ◆ Users' viewpoints
- ◆ Service & maintenance experience
- ◆ Engine operation (renewable fuels, special gases, biomass, etc.)

Session 12

Users' Aspects – Land-based Applications (Power Generation, CHP, Oil & Gas, Rail etc.)

- ◆ Users' viewpoints
- ◆ Service & maintenance experience
- ◆ Engine operation (renewable fuels, special gases, biomass, etc.)

Submission of Abstracts and Final Papers

We welcome abstracts of the proposed topics, between **2nd April and 30th June 2012**.

The abstracts (300 to 750 words) should outline the major content of the final paper and should be submitted via the CIMAC website:

http://www.cimac.com/congress_2013/congress_2013.htm

Please follow the instructions for abstracts given via the above link.

The session organisers review all abstracts to assess their suitability for presentation. The acceptance notification will be sent to the authors **by October 15th, 2012 at the latest**.

As for previous CIMAC Congresses special Poster Sessions will be offered.

Upon acceptance the author in charge will receive CIMAC's "Instructions for Authors". These instructions describe in detail the procedure of communication with the session organisers, the layout and presentation of the papers as well as copyright rules and rules regarding publication.

Full-length papers should be submitted via the CIMAC website not later than **January 15th, 2013**.

Detailed information on submission of papers will be announced in the congress area of the CIMAC website.

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