

ICHMT XIX, Dubrovnik, Yugoslavia, August 24-28 1987
HEAT AND MASS TRANSFER IN GASOLINE AND DIESEL ENGINES

ANNOUNCEMENT AND CALL FOR PAPERS of the XIX ICHMT SYMPOSIUM

The subject of the Symposium for 1987 will be:
HEAT AND MASS TRANSFER IN GASOLINE AND DIESEL ENGINES

SEMINAR OBJECTIVES

The International Centre for Heat and Mass Transfer has chosen Heat and Mass Transfer in Gasoline and Diesel Engines as the subject of its 1987 Symposium with the intention of bringing together, from the whole world, industrial and scientific experts who will share their knowledge on this important subject.

SUMMARY

- # The Symposium follows ICHMT traditions in being held in a hotel on the Adriatic. Sessions take place morning and evening, leaving the afternoons for leisure activities. A program for accompanying persons is provided.
- # The XIXth Symposium will depart from tradition in providing the following additional technical features:
 - (a) An exhibition of video tapes and cinematographic films concerned with the subject of the Symposium.
 - (b) A reprint exhibition in which participants may display on poster-boards reprints of their earlier work on the subject of the meeting.
 - (c) A display of manufacturers' literature.
 - (d) An exhibition of books and journals concerned with IC engines.

PRESENTATION OF PAPERS

The Symposium will feature invited lectures by recognized experts from many countries followed by a number of contributed papers in each session. After each invited lecture and contributed paper there will be time for discussion.

CALL FOR PAPERS

Contributed papers are invited on the following subjects:

1. Experimental information on heat transfer between gas in the cylinder and its surroundings (wall, piston crown, etc), and on the scavenging process
2. Methods of predicting gas motion, mixing and heat transfer in the cylinder and combustion space
3. Heat and mass transfer processes within the gasoline-engine manifold
4. Theoretical and experimental studies of fuel-spray injection and vaporisation
5. Heat transfer between the cooling fluid and the engine block, including air cooling
6. Heat transfer to and from valves, valve seats and associated ducting
7. Novel measurement techniques for temperature, pressure, velocity and other relevant properties
8. Experimental observations and theoretical studies of fuel-spray ignition and combustion in diesel engines and in related research
9. Experimental and theoretical studies of the role of heat and mass transfer in effecting chemical transformation

If you would like to contribute a paper to the Symposium please send a 500-word abstract as soon as possible, but not later than December 15 1986. Authors will be notified of acceptance by February 1 1987 and the deadline for final manuscripts is April 1 1987.

Abstracts should be sent to:

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Symposium Committee Chairman:
Professor D Brian Spalding FRS

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