INTERNATIONAL CENTRE FOR
HEAT AND MASS TRANSFER

1968 - 2018

Kemo Hanjalić
Delft University of Technology, NL
The beginning of West-East scientific communications in HMT (late fifties of the last century)

- Two emerging technologies (space exploration and nuclear energy) frantically pursued both in the West and in the Soviet Union prompted both sides to search for scientific communication;

- Both technologies depended heavily on the understanding and managing heat and mass transfer

- A seminal event: meeting of Robert Maxwell (Pergamon Press) with Carl Gazley (Rand Corp.) and Jim Hartnett visiting Soviet Union in 1958 → foundation of a new journal exclusively in heat and mass transfer

- The new journal, IJHMT was born in 1960, with the Editorial Board including E. Brun, A.J. Ede, E. Eckert, U. Grigull, J. Hartnett, A. V. Luikov, W. Rohsenow, D.B. Spalding, N. Zuber,....

- ......
2nd All Soviet Union Conference on Heat and Mass Transfer, Minsk 1967

A piece of history
A piece of history, cont.

Two concepts:

- International Heat Transfer Institute in Paris
  
  \textit{(E.A. Brun and A.V. Luikov)}

- International Heat Transfer Centre in Yugoslavia – Adriatic
  
  \textit{(J.P. Hartnett, T.F.Irvine, D.B. Spalding)}

“...The \textit{first} meeting of the ICHMT was held on September 16, 1968,..

Some of the most prominent names involved in creation of ICHMT:

E.A. Brun (Paris), E.R.G. Eckert (Minneapolis), U. Grigull (Munich),
J.P Hartnett (Chicago), T.F. Irvine (New York), S.S. Kutateladze
(Novosibirsk), A.V. Luikov (Minsk), W.M. Rohsenhow (Cambridge, MA),
D.B. Spalding (London), M.A. Styrikovich (Moscow), Z. Zarić and
N. Afgan (Belgrade)”

(From “The Development of ICHMT”
by \textbf{Faruk Arinc}, Secretary General of ICHMT)
THE FIRST SCIENTIFIC EVENTS, Herceg Novi, Yugoslavia

“Heat and Mass Transfer in Turbulent Boundary Layers” 9-12 Sept 1968

Zoran Zarić, (1929-1985)
Secretary General (1968-1985),

Naim Afgan (19290-)
Scientific Secretary (1968-1985),
Secretary General (1985-1993)

“...On the next day, September 7, 1968, Professor Brun convened the initial meeting of the Scientific Council... On the same day, Professor Afgan chaired a meeting of the Organization Committee attended by A.I. Leontiev (representing M.A. Styrikovich), D.B. Spalding, Z. Zaric and K. Hanjalić. The major business was the selection of "Heat and Mass Transfer in Separated Flows" as the topic for the 1969 conference...”

(From “Origins of the International Centre for Heat and Mass Transfer” by late James P. Hartnett)
Some of the early ICHMT events

Heat and Mass Transfer in Turbulent Boundary Layers
Summer School, Herceg Novi, Yugoslavia 9-12 Sept 1968

Heat and Mass Transfer in Flows with Separated Regions
International Seminar, Herceg Novi, YU, 1-13 Sept 1969

Turbulent Buoyant Convections
International Seminar, Dubrovnik, YU, 30 Aug-4 Sept. 1976
Summer School “Heat and Mass Transfer in Boundary Layers”
The first ICHMT event, Herceg Novi (Yug.-/Montenegro, Sept. 1968)
Initiated and coordinated by D.B. Spalding
“Heat and Mass Transfer in Boundary Layers” Sept 1968
IHTC-7, September 1982 in München: ICHMT founders and some of their successors as ICHMT officers
International Centre for Heat and Mass Transfer

MISSION

ICHMT provides a unique apolitical forum for the world's leading heat and mass transfer scientists and engineers. Our mission is to pursue excellence and foster the international exchange of science and engineering in all branches of heat and mass transfer through symposia, publications, and promotion of research, education and exchange of personnel for the benefit of people everywhere.
International Centre for Heat and Mass Transfer

Over the past 50 years of continuous operation ICHMT emerged as one of the truly global professional association

- Over 40 Member Institutions from 30 countries worldwide
- Organised over 120 events (conferences, symposia, seminars, forums, schools, courses,... on a great variety of topics)
- Many proceedings and individual (extended) papers published by Begell House Inc. (official publisher of ICHMT)
- ICHMT Digital Library (www.dl.begellhouse.com/ICHMT in 2013: close to 160,000 hits!)
- THERMOPEDIA (www.thermopedia.com)
  Reliable sources for Thermodynamics, Heat Transfer and Fluid Flow
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<th>Past Presidents of ICHMT</th>
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| **E.A. Brun**  
Paris, Fr |
| 1968-1972  
M. Combernoous, Bordeaux, Fr |
| 1994-1998  |
| **M.A. Stirikovich**  
Moscow, USSR |
| 1972-1976  
R.J. Goldstein, Minneapolis, USA |
| 1998-2002  |
| **E.R.G. Eckert,**  
Minneapolis, USA |
| 1976-1982  
M. Cumo, Sapienza, Rome |
| 2002-2006  |
| **U. Grigull,**  
TU Munich, Ge |
| 1982-1986  
| 2006-2010  |
| **W.M. Rosenhow,**  
MIT, Cambridge MA |
| 1986-1990  
G. de Vahl Davis, Sydney, Australia |
| 2010-2014  |
| **Y. Mori,**  
Tokyo, Japan |
| 1990-1994  
K. Hanjalić |
| 2014-2018  |
ICHMT Awards

Luikov Medal (established in 1979) (dedicated to A.V. Luikov) for outstanding contributions to the science and art of HMT and international scientific cooperation

ICHMT Fellowship Award (since 1980) In recognition of administrative or organizational service to ICHMT

Hartnett-Irvine Award (since 2007) For best paper on HMT at a conference/symposium of ICHMT

William Begell Medal (since 2010) For the best Keynote Lecture at an ICHMT event

ICHMT Grants (since 2003) to support young scientists/engineers to attend ICHMT events
The last of the Founding Fathers
lecturing at his last ICHMT event

A new initiative: coordinating and unifying efforts