INTERNATIONAL CONFERENCE ON

HARMONIC ANALYSIS, GROUP REPRESENTATIONS, AUTOMORPHIC FORMS AND INVARIANT THEORY

on the occasion of Professor Roger Howe's 60th Birthday
National University of Singapore
January 9-11, 2006

Professor Roger E. Howe, member of the National Academy of Sciences, USA and fellow of the American Academy of Arts and Sciences, and Professor of Mathematics at Yale University, is a scholar of distinction.

Professor Howe's major research interest is in applications of symmetry, particularly harmonic analysis, group representations, automorphic forms and invariant theory. "His pathbreaking contributions to the representation theory of p-adic groups and of dual reductive pairs establish him as a principal architect of a theory of central and growing importance. His originality and depth have far-reaching consequences." (From membership citation when Professor Howe was elected into the National Academy of Sciences, USA).

Professor Howe is also an exceptional teacher. "If mathematics is a language, you certainly speak it beautifully. Fortunately for those who are not themselves native speakers, you have demonstrated a gift for making fundamental concepts in the structure of mathematics become familiar and intelligible …." (From award citation when Professor Howe was named William R. Kenan Jr. Professor of Mathematics).

Professor Howe has had extensive contact with and significant influence within the mathematical community in the Asia-Pacific region. He has on many occasions visited universities in Australia, Israel, Japan, Singapore, Hong Kong and China. In particular, Professor Howe was a fellow of the Institute for Advanced Studies at Hebrew University in Jerusalem in 1988, a fellow of the Japan Society for the Advancement of Science in 1993 and is currently chair of the Scientific Advisory Board of the Institute for Mathematical Sciences at the National University of Singapore.

As Professor Howe celebrates his 60th birthday, we are organizing a conference to honor his achievements both as a scholar and as a teacher.

PARTIAL LIST OF INVITED SPEAKERS
* Michael Cowling (U. of New South Wales, Australia)
* Stephen Gelbart (Weizmann Institute, Israel)
* Michael Harris (Université Paris VII, France)
* Masaki Kashiwara (RIMS, Japan)
* Toshiyuki Kobayashi (RIMS, Japan)
* Hanspeter Kraft (Universität Basel, Switzerland)
* Colette Moeglin (Université Paris VII, France)
* Allen Moy(Hong Kong U. of Science and Technology, Hong Kong)
* Toshio Oshima (U. Tokyo, Japan)
* Wilfried Schmid (Harvard U., USA)
* David Vogan (MIT, USA)
* Gregg Zuckerman (Yale U., USA)

ORGANIZING COMMITTEE
* Jian-Shu Li (Hong Kong University of Science and Technology)
* Nolan Wallach (University of California, San Diego)
* Eng-Chye Tan (National University of Singapore)
* Chen-Bo Zhu (National University of Singapore)

The conference will be held at the National University of Singapore (NUS), and is partially supported by the Institute for Mathematical Sciences (IMS) and academic research grants of NUS. For more information, please visit IMS website at **www.ims.nus.edu.sg** or email Chen-Bo Zhu at **matzhucb@nus.edu.sg**.