Contemporary Undergraduate Mathematical Contest in Modeling

September 11-14, 2015

CUMCM

2015

Organizer: CSIAM

(China Society for Industrial and Applied Mathematics)

Introduction

CUMCM (The Contemporary Undergraduate Mathematical Contest in Modeling) is an annual contest for undergraduates all over the world, organized by CSIAM (China Society for Industrial and Applied Mathematics). It has been held annually since 1992. In the year of 2014 more than 25000 teams (more than 75000 students) from over 1300 institutions participated in the contest.

In the contest, three students (it does not matter they are from majors in mathematics or from non-mathematical fields, **but they must be from the same institution or university**) advised by at most one teacher form a team. The team's task is to develop in three days mathematical and/or computer models to solve a simplified real-word problem in engineering, management, etc. During the contest days (72 hours), the students can use any references or materials they can find (including the materials on the INTERNET), but discussions with the advisor or out-of-team members are forbidden. The aim of the contest is to improve students' understanding of mathematics, especially mathematical modeling and mathematical software, and to enhance students' motivation for studying mathematics and to cultivate students' creativity and overall ability.

Date and Time

The contest is organized every year. CUMCM-2015 will start at 8:00AM 11 September 2015 and end at 8:00AM 14 September 2015 (Beijing Time).

Registration

For the participants from regions other than mainland China, their registration fee will be waived off. Please register through the website **http://en.mcm.edu.cn** before **6:00PM, 6 Sept.**, 2015 (Beijing Time). For registration, each team must sign up an account in this website, and then provides registration information through "Membership".

The Awarding system

The teams are rewarded as first and second prizes with certifications issued by the organizer. All other teams that successfully participate in the contest will get certifications of "Successful Participation".

Problems and Sample Solutions

Please visit the website **http://en.mcm.edu.cn** for previous contest problems, together with some sample solution papers.

Inquiries

If you have any questions concerning the contest or registration process, please visit the website **http://en.mcm.edu.cn**, or contact:

Prof. Jinxing Xie
Department of Mathematical Sciences,
Tsinghua University, Beijing 100084, China
Email: jxie@math.tsinghua.edu.cn
Tel: +86 10 6278 7812
Fax: +86 10 6277 3400

OR

Prof. Fengshan Bai
Department of Mathematical Sciences,
Tsinghua University, Beijing 100084, China
Email: fbai@math.tsinghua.edu.cn
Tel: +86 10 6278 7930
Fax: +86 10 6277 3400

Partner and primary sponsor:

高等教育出版社
HIGHER EDUCATION PRESS   HEP (Higher Education Press, China)

Sponsors:

COMAP   COMAP (Consortium for Mathematics and Its Application, USA)

MathWorks   MathWorks (China) Inc.