ANNOUNCEMENT OF WINNERS
of the seventy-fifth competition held on December 6, 2014

WINNING TEAMS

<table>
<thead>
<tr>
<th>Rank</th>
<th>School</th>
<th>Team Members (in alphabetical order)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</td>
<td>Mitchell M. Lee, Zipei Nie, and David H. Yang</td>
</tr>
<tr>
<td>2</td>
<td>HARVARD UNIVERSITY</td>
<td>Calvin Deng, Malcolm Granville, and Xiaoyu He</td>
</tr>
<tr>
<td>3</td>
<td>RENSSELAER POLYTECHNIC INSTITUTE</td>
<td>Theerawat Bhudisaksang, Owen Goff, and Wijit Yangjit</td>
</tr>
<tr>
<td>4</td>
<td>UNIVERSITY OF WATERLOO</td>
<td>Kangning Chen, Sam Eisenstat, and Daniel Spivak</td>
</tr>
<tr>
<td>5</td>
<td>CARNEGIE MELLON UNIVERSITY</td>
<td>Linus U. Hamilton, Thomas E. Swayze, and Samuel Zbarsky</td>
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</tbody>
</table>

The first place team receives an award of $25,000 and each member of the team receives $1,000. The awards for second place are $20,000 and $800; for third place, $15,000 and $600; for fourth place $10,000 and $400; and for fifth place $5,000 and $200.

In each of the following categories, the listing is in alphabetical order.

THE PUTNAM FELLOWS — THE SIX HIGHEST RANKING INDIVIDUALS

Each receives an award of $2,500.

RAVI JAGADEESAN                                           Harvard University
ZIPEI NIE                                               Massachusetts Institute of Technology
MARK A. SELLKE                                             Massachusetts Institute of Technology
BOBBY C. SHEN                                           Massachusetts Institute of Technology
DAVID H. YANG                                               Massachusetts Institute of Technology
LINGFU ZHANG                                               Massachusetts Institute of Technology

THE NEXT TEN HIGHEST RANKING INDIVIDUALS

Each receives an award of $1,000.

JOSHUA D. BRAKENSIEK                              Carnegie Mellon University
CALVIN DENG                                                   Harvard University
OFER GROSSMAN                                               Massachusetts Institute of Technology
ALBERT GU                                                     Carnegie Mellon University
BENJAMIN P. GUNBY                                        Massachusetts Institute of Technology
ZHAORONG JIN                                                California Institute of Technology
MITCHELL M. LEE                                             Massachusetts Institute of Technology
RAY LI                                                      Carnegie Mellon University
NAT SOTHANAPHAN                                             Massachusetts Institute of Technology
VICTOR Y. WANG                                               Massachusetts Institute of Technology

THE NEXT ELEVEN HIGHEST RANKING INDIVIDUALS

Each receives an award of $250.

MICHAEL T. DRUGGAN                              Carnegie Mellon University
MALCOLM J. GRANVILLE                               Harvard University
EUNSOO JEE                                                   Massachusetts Institute of Technology
YUTAO LI                                                    Massachusetts Institute of Technology
SAMMY Y. LUO                                                  Massachusetts Institute of Technology
DANIEL SPIVAK                                               University of Waterloo
THOMAS E. SWAYZE                                          Carnegie Mellon University
ANDERSON S. WANG                                             Massachusetts Institute of Technology
DONGHAO WANG                                                University of California, Berkeley
HENGYUN ZHOU                                                Massachusetts Institute of Technology
TIANYOU ZHOU                                                 Massachusetts Institute of Technology
HONORABLE MENTION — TEAMS

CALIFORNIA INSTITUTE OF TECHNOLOGY
UNIVERSITY OF CALIFORNIA, LOS ANGELES
DUKE UNIVERSITY
STANFORD UNIVERSITY
YALE UNIVERSITY

Xiangyi Huang, Zhaorong Jin, Tian Nie
Tudor Padurariu, Peihao Sun, Dillon Zhi
Feng Gui, Alex Milu, Anthony Qiao
Gyujin Oh, Albert Zhang, Zhivko Zhechev
Lyndon Ji, Alexandros Mousatov, Xiao Wu

HONORABLE MENTION — INDIVIDUALS

JIE JUN ANG, Stanford University
RODRIGO S. ANGELO, Princeton University
ANDRE A. ARSLAN, Princeton University
VISHAL ARUL, Stanford University
ITAI BAS- NATAN, University of Toronto
ALYAZ EED BASYONI, Carnegie Mellon University
THEERAWAT BHUDISAKSANG, Rensselaer Polytechnic Institute
OMER CERRAHOGLU, Massachusetts Institute of Technology
ZEHAN CHAO, University of Illinois, Urbana-Champaign
HERMAN H. CHAU, Stanford University
EVAN CHEN, Harvard University
YONGYI CHEN, Massachusetts Institute of Technology
MICHAEL CHOW, University of Toronto
ALEXANDER J. CLIFTON, Massachusetts Institute of Technology
RAHUL DALAL, Harvard University
OCTAV DRAGOI, Harvard University
JAMES R. DRAIN, Dartmouth College
VAHID FAZEL-REZAI, Massachusetts Institute of Technology
YIBO GAO, Massachusetts Institute of Technology
HAIDONG GONG, University of Illinois, Urbana-Champaign
YUZHOU GU, Massachusetts Institute of Technology
XIAOYU HE, Harvard University
XIAO YI HUANG, California Institute of Technology
LYNDON L. JI, Yale University
PA KWUT JIRADILOK, Harvard University
BENJAMIN J. KRAFT, Massachusetts Institute of Technology
AARON LANDES MAN, Harvard University
JASON M. LI, Carnegie Mellon University
DAVID J. LICHTHO, California Institute of Technology
IAN R. McMEEKING, University of Minnesota, Twin Cities
ALEXANDROS MOUSATOV, Yale University
WEERACHAI NEERANARTVONG, Massachusetts Institute of Technology
MINH PHUONG NGUYEN, Stony Brook University
GYUJIN OH, Stanford University
TUDOR PADURARIU, University of California, Los Angeles
EDWARD S. PARK, Massachusetts Institute of Technology
HU Y J. PHAM, Stanford University
NIPUN PITIMANAAREE, Massachusetts Institute of Technology
ZHIC HENG QIAO, Duke University
VICTOR O. REIS, Cornell University
TOMER REITER, Carnegie Mellon University
JOSEPH L. RICHEY, University of Michigan, Ann Arbor
BRIAN R. RIEDEL, Carnegie Mellon University
SAGNIK SAHA, Massachusetts Institute of Technology
ABRAM SANDERSON, Harvey Mudd College
ERIC D. SCHNEIDER, Princeton University
JEFFREY D. SHEN, Massachusetts Institute of Technology
TONG JIA SHI, Harvey Mudd College
GAURAV J. SINGH, Massachusetts Institute of Technology
NATCHANON SUAY SOM, Harvey Mudd College
LAWRENCE J. SUN, Massachusetts Institute of Technology
ALAN M. TALMAGE, Washington University, St. Louis
JONATHAN B. TIDOR, Massachusetts Institute of Technology
HAI TRAN BACH, University of Michigan, Ann Arbor
BRIAN A. WAI, Stanford University
JESSE K. WANG, Yale University
ZHIAO WANG, Harvard University
DAI YANG, Massachusetts Institute of Technology
WI J I T YANG J I, Rensselaer Polytechnic Institute
XIN WEI YAO, Yale University
ALLEN L. YUAN, Harvard University
ALBERT R. ZHANG, Stanford University

QUESTIONS COMMITTEE

Hugh Montgomery (Chair), University of Michigan, Ann Arbor; Henry Cohen, Microsoft and Massachusetts Institute of Technology; David Savitt, University of Arizona.

A total of 4320 students from 577 colleges and universities in Canada and the United States participated in the Competition. There were teams from 431 institutions. More complete details will appear in the American Mathematical Monthly.

March 17, 2015 Leonard F. Klosinski, Director; Gerald L. Alexanderson and Mark Krusemeyer, Associate Directors