

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

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

WINNING TEAMS

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

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
BENJAMN 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 LIU	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
ALYAZEED 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
XIANGYI HUANG, California Institute of Technology
LYNDON L. JI, Yale University
PAKAWUT JIRADILOK, Harvard University
BENJAMIN J. KRAFT, Massachusetts Institute of Technology
AARON LANDESMAN, Harvard University
JASON M. LI, Carnegie Mellon University
DAVID J. LICHKO, 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
HUY J. PHAM, Stanford University
NIPUN PITIMANAAREE, Massachusetts Institute of Technology
ZHICHENG 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
TONGJIA SHI, Harvey Mudd College
GAURAV J. SINGH, Massachusetts Institute of Technology
NATCHANON SUAYSOM, 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
ZIHAO WANG, Harvard University
DAI YANG, Massachusetts Institute of Technology
WIJIT YANGJIT, Rensselaer Polytechnic Institute
XINWEI 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