

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

ANNOUNCEMENT OF WINNERS of the seventieth competition held on December 5, 2009

WINNING TEAMS

<i>Rank</i>	<i>School</i>	<i>Team Members (in alphabetical order)</i>
1	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Qingchun Ren, Bohua Zhan, and Yufei Zhao
2	HARVARD UNIVERSITY	Iurie Boreico, Arnav Tripathy, and Alex Zhai
3	CALIFORNIA INSTITUTE OF TECHNOLOGY	Jason Bland, Sam Elder, and Gjergji Zaimi
4	STANFORD UNIVERSITY	Young Hun Jung, Seok Hyeung Lee, and Jeffrey Wang
5	PRINCETON UNIVERSITY	Peter Z. Diao, Adam C. Hesterberg, and John V. Pardon

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 FIVE HIGHEST RANKING INDIVIDUALS

Each receives an award of \$2,500.

WILLIAM A. JOHNSON	University of Washington, Seattle
XIAOSHENG MU	Yale University
QINGCHUN REN	Massachusetts Institute of Technology
ARNAV TRIPATHY	Harvard University
YUFEI ZHAO	Massachusetts Institute of Technology

THE NEXT TEN HIGHEST RANKING INDIVIDUALS

Each receives an award of \$1,000.

YAKOV I. BERCHENKO-KOGAN	California Institute of Technology
SERGEI S. BERNSTEIN	Massachusetts Institute of Technology
JASON C. BLAND	California Institute of Technology
KESTUTIS ČESNAVIČIUS	Rice University
PALMER C. MEBANE	Harvey Mudd College
JOHN V. PARDON	Princeton University
JACOB N. STEINHARDT	Massachusetts Institute of Technology
YI SUN	Harvard University
ALEX ZHAI	Harvard University
BOHUA ZHAN	Massachusetts Institute of Technology

THE NEXT TEN HIGHEST RANKING INDIVIDUALS

Each receives an award of \$250.

YI-WEI CHAN	University of Illinois, Urbana-Champaign
JEFFREY CHEN	Stanford University
MILES D. EDWARDS	Indiana University, Bloomington
SAMUEL S. ELDER	California Institute of Technology
ZHOU FAN	Harvard University
WHAN GHANG	Massachusetts Institute of Technology
SEOK HYEONG LEE	Stanford University
PANUPONG PASUPAT	Massachusetts Institute of Technology
COLIN P. SANDON	Massachusetts Institute of Technology
ERIC M. STANSIFER	California Institute of Technology

HONORABLE MENTION—TEAMS

DUKE UNIVERSITY
UNIVERSITY OF MARYLAND, COLLEGE PARK
UNIVERSITY OF TORONTO
UNIVERSITY OF VIRGINIA
UNIVERSITY OF WATERLOO

Mikhail Lavrov, Matthew J. Rognlie, and Peng Shi
Mitchell Katz, Richard Matthew McCutchen, and Henry Scher
Viktoriya Krakovna, Konstantin Matveev, and Alexander Remorov
Casey Mihaloew, Fei Song, and Wuttisak Trongsirawat
Steven Karp, Wei Ma, and Dong Uk (David) Rhee

HONORABLE MENTION—INDIVIDUALS

ZACHARY R. ABEL, Harvard University
ALEKSANDR ARKHIPOV, Massachusetts Institute of Technology
JOHN D. BERMAN, Massachusetts Institute of Technology
TIMOTHY J. BLACK, California Institute of Technology
IURIE BOREICO, Harvard University
IVAN BORSENCO, Massachusetts Institute of Technology
GEORGE A. BOXER, Princeton University
ZARATHUSTRA E. BRADY, California Institute of Technology
ROBERT M. BRASE, University of Nebraska, Lincoln
GABRIEL BUJOKAS, Massachusetts Institute of Technology
PAUL F. CHRISTIANO, Massachusetts Institute of Technology
ROBERT I. CORDWELL, University of New Mexico
YU DENG, Massachusetts Institute of Technology
PETER Z. DIAO, Princeton University
MICHAEL Z. R. GOTTLIEB, California Institute of Technology
RISHI V. GUPTA, Massachusetts Institute of Technology
ADAM C. HESTERBERG, Princeton University
JASON R. HOCH, Massachusetts Institute of Technology
YOUNG HUN JUNG, Stanford University
STEVEN N. KARP, University of Waterloo
SHAUNAK KISHORE, Massachusetts Institute of Technology
ERIK P. KNIGHT, Princeton University
MIKHAIL P. LAVROV, Duke University
HOLDEN LEE, Massachusetts Institute of Technology
KEVIN LEE, Harvard University
PAUL D. LEWIS, University of Michigan, Ann Arbor
BOYU LI, University of Waterloo
JIZHOU LI, Michigan Technical University

CEDRIC YEN-YU LIN, University of British Columbia
TONY J. LIU, Massachusetts Institute of Technology
XUE (GAKU) LIU, Princeton University
YE LUO, Massachusetts Institute of Technology
JEFFREY A. MANNING, California Institute of Technology
RICHARD MATTHEW MCCUTCHEN, University of Maryland, College Park
VIMANG MEHTA, Brown University
HENRIQUE P. OLIVEIRA PINTO, Massachusetts Institute of Technology
DOO SUNG PARK, California Institute of Technology
JAEHYUN PARK, Stanford University
DONG UK (DAVID) RHEE, University of Waterloo
DAVID S. ROLNICK, Massachusetts Institute of Technology
DAVID B. RUSH, Massachusetts Institute of Technology
KRISHANU R. SANKAR, Massachusetts Institute of Technology
JONATHAN SCHNEIDER, Massachusetts Institute of Technology
XIAOLIN (DANNY) SHI, Massachusetts Institute of Technology
JEONG SOO SIM, Stanford University
CORY B. SMITH, Massachusetts Institute of Technology
ANDREW L. SOFFER, Washington University, St. Louis
XIAOQING TANG, University of Rochester
WUTTISAK TRONGSIRIWAT, University of Virginia
DMITRY VAINTROB, Harvard University
AMEYA A. VELINKER, Harvard University
TENGYAO WANG, Princeton University
YEOIL YOON, California Institute of Technology
QIAOCHU YUAN, Massachusetts Institute of Technology
ADRIAN I. ZAHARIUC, Princeton University
GJERGJI ZAIMI, California Institute of Technology

QUESTIONS COMMITTEE

Mark Krusemeyer, Carleton College (Chair); Izabella Laba, University of British Columbia; and Bjorn Poonen, Massachusetts Institute of Technology

A total of 4036 students from 546 colleges and universities in Canada and the United States participated in the Competition. There were teams from 439 institutions. More complete details will appear in the *American Mathematical Monthly*.

March 1, 2010

Leonard F. Klosinski, Director; Gerald L. Alexanderson and Loren C. Larson, Associate Directors