



Illinois Mathematics and Science Academy

*IMSA
Alumni Weekend
2010*

*Illinois Mathematics and Science Academy®
Board of Trustees
Alumni Awards Ceremony and
Alumni Volunteer Recognition Dinner*

*Friday, July 23, 2010
6:00 – 8:00 p.m.
Hilton Lisle-Naperville*

Program

WELCOME

Dr. Glenn W. "Max" McGee, President
Illinois Mathematics and Science Academy

DINNER

BOARD OF TRUSTEES ALUMNI AWARD PRESENTATIONS

Presented by John H. McEachern, Jr.
Member and Past Chairman,
IMSA Board of Trustees

ALUMNI TITAN AWARD

Mike McCool '91
Ray Stadt '93

ALUMNI DISTINGUISHED LEADERSHIP AWARD

Dan Frakes '89
Lillian Kao, M.D. '89
Travis Schedler, Ph.D. '98

ALUMNI VOLUNTEER RECOGNITION

Presented by Matthew C. Knisley '01, President
IMSA Alumni Association

CLOSING REMARKS

Dr. Glenn W. "Max" McGee

*Thank you for joining IMSA and the Board of Trustees in this celebration
and recognition of outstanding alumni accomplishments and support.*

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The IMSA Fund for Advancement of Education is a 501 not-for-profit corporation that accepts and distributes gifts and grants from the private sector to support IMSA's mission and work.

Board of Trustees Alumni Awards

The IMSA Board of Trustees Alumni Awards are the highest honors bestowed to alumni in recognition of their accomplishments and contributions to their field of endeavor, to IMSA, and to the citizens of Illinois, our nation and the world.

Alumni Titan Award

The Alumni Titan Award, an annual award honors alumni who through outstanding service to IMSA, advance the institution's mission and work. The honorees are enthusiastic and energetic IMSA champions who dedicate significant time, talent and/or treasure to endeavors that help the Academy fulfill its role in developing talent and leadership in mathematics, science and technology for our state, nation and world.

Alumni Distinguished Leadership Award

The Alumni Distinguished Leadership Award, an annual award, goes to alumni who have made distinguished achievements or leadership contributions in their professional fields of endeavor consistent with IMSA's mission. The awardees also may be recognized for significant civic or community contributions or for extraordinary courage and selflessness under challenging circumstances.

Alumni Trailblazer Award

The Alumni Trailblazer Award is bestowed when merited and honors alumni who personify IMSA's philosophy statement that there will be alumni who "create new intellectual worlds, cure a dreaded human ailment or in some other way significantly influence life on our planet." The outstanding achievements of these honorees will have earned national or international prominence for a groundbreaking or sweeping initiative that has redefined and improved the way significant numbers of citizens live, learn or work.

For more information on award guidelines, nominations, or previous award recipients, please visit www.imsa.edu/alumni/awards. Nomination deadline for the 2011 Alumni Awards is January 31.

Alumni Titan Award



Mike McCool '91

Mike McCool has generously given his time, talent and treasure in ways that have had tremendous strategic impact on IMSA. McCool has already made two major financial contributions to the IMSA Fund in 2003 and 2007. In the first case, he designated half of his gift to support programs and services for IMSA students and half to support IMSA's programs for Illinois teachers and students, demonstrating his commitment to both of IMSA's legislative charges. McCool designated his second major gift to help start an endowment (Marshall Innovation Fund), demonstrating his commitment to IMSA's long-term future and leadership. In addition to his financial support, McCool has been a significant thinking partner for IMSA leaders, contributing ideas and questions that informed the design of IMSA TALENT (Total Applied Learning for Entrepreneurs) and the UIUC-IMSA "winning formula" partnership as well as the development of our alumni engagement strategy. He also influenced the thinking and decision-making of the Strategic Planning Team and Action Planning Team for Strategy 6 (diversified funding). Most recently, McCool accepted Governor Quinn's invitation to attend the State of the State address in January 2010, as a representative of Illinois' (and IMSA-UIUC) Internet pioneers/entrepreneurs. McCool is a graduate of the University of Illinois at Urbana-Champaign, and served on the team at UIUC that created Mosaic, the Internet Browser used to start Netscape, then worked as a software engineer at Netscape. Today McCool is a user interface and graphics programmer at Aechelon Technology, which develops high-end military flight simulator graphics for search and rescue and transport helicopters primarily for the Marines, Navy and Coast Guard.



Ray Stadt '93

Ray Stadt contributes his expertise as a practicing science teacher to help IMSA develop talent and leadership in STEM. Stadt has been an invaluable contributor to IMSA's Problem-Based Learning (PBL) summer programs for teachers. In these programs, he mentors educators both at IMSA and at Benedictine University (BU) where he works with the interns in its Alternative Certification Program (ACP). He also co-facilitated two Motorola PBL Design Institutes - one in Springfield and one in Carterville. During the summer of 2009, he helped IMSA deliver PBL Design Institutes in Indianapolis and in Aurora for partnership work with Aurora University. He also continued to mentor the interns in BU's ACP program involved with Summer Sleuths. Stadt is also serving as a liaison with his school (Eisenhower High School) and district (Blue Island) as a possible site for the next Motorola grant proposal. Stadt was an active member of one of IMSA's strategic planning action teams to help the team craft, review, critique and refine action plans. As a practicing high school science teacher who serves mainly low-income students, Stadt became the "voice of reason" for whether the team's proposed actions would be relevant to Illinois students and educators involved in STEM initiatives. Stadt has also been involved in IMSA Preview Days, served as a reunion coordinator for his 15-year class reunion and was an invited guest speaker during IMSA's teacher recognition day in 2007. In all of this work, he brings his unique perspective based on his classroom experiences as a science teacher and as a learner at IMSA. Stadt currently teaches chemistry, forensic science and integrated science at Eisenhower High School in Blue Island, Illinois. He is a graduate of Valparaiso University and Trinity Christian College.

Alumni Distinguished Leadership Award



Dan Frakes '89

Dan Frakes is a respected technology writer and editor, focusing on personal computing and digital media. He has written more than 800 articles and has authored or contributed to more than 20 books, including one of the early e-books nearly 15 years ago. He is currently a senior editor and columnist at *Macworld* magazine and Website and an editor for the Take Control series of electronic books, and he has previously held positions as the senior reviews editor for *Playlist* magazine and Website and as editor for MacFixIt.com. In 2006, Frakes was named to the MacTech 25, a publicly chosen list of the most influential people in the Mac technical community. In addition to having run his own consulting practice, Frakes previously worked as an analyst at a research and consulting firm where his projects included the evaluation of educational technology policy; he has also worked in IT at a major university. He is a frequent speaker at tech-related events, and is the co-creator of a popular Mac software utility. Frakes' motivation for his work is the desire to help people understand and get the most out of technology, as well as to advocate for users and consumers. Frakes is a graduate of the University of California, Los Angeles.



Lillian Kao, M.D. '89

Lillian S. Kao, M.D., M.S., is an associate professor in the Department of Surgery and faculty for the Center for Clinical Research and Evidence-Based Medicine at the University of Texas Health Science Center in Houston (UTHSC). She also serves as the Vice-Chief of Surgery at the Lyndon B. Johnson General Hospital in Houston. Dr. Kao's main research interest is the prevention and treatment of surgical infections. She has received several grants for her clinical research, including an National Institutes of Health (NIH) career development award. In 2006, Dr. Kao was named a Robert Wood Johnson Physician Faculty Scholar to study interventions to improve the prevention of surgical site infections, which are a significant problem resulting in worsened patient outcome and increased health care expenditures. In particular, she is interested in maximizing compliance with evidence-based guidelines for the prevention of these infections within a county hospital system with limited resources. Her other interest is in educating surgeons about clinical research. She has co-founded a Center for Surgical Trials and Evidence-based Practice (C-STEP) at UTHSC, co-directed the Fundamentals of Surgical Research Course (a yearly national course which is presented by the Association for Academic Surgery or AAS, a society for academic surgeons of which she is the Secretary on the Executive Council), participated as guest faculty at international research courses (i.e. Developing a Career in Academic Surgery in Australia), and recently was the AAS Visiting Professor to the Taiwan Surgical Association where she lectured on evidence-based surgery. Dr. Kao received her medical degree from the University of Michigan in Ann Arbor, completed surgical residency and a fellowship in gastrointestinal surgery at the University of Washington in Seattle, and completed a surgical critical care fellowship and obtained a Masters Degree in Clinical Research at UTHSC.

Alumni Distinguished Leadership Award



Travis Schedler, Ph.D. '98

Travis Schedler is an instructor in mathematics at the Massachusetts Institute of Technology, where he holds a five-year fellowship from the American Institute of Mathematics (AIM). Schedler was the sole recipient of the 2008 AIM Fellowship, an award that is "intended for an absolutely first-rate new Ph.D. -- someone with the potential to leave a lasting mark on mathematics." The fellowship supports one outstanding new Ph.D. pursuing research in an area of pure mathematics and covers 60 months of full-time research as well as funds for travel and equipment. Schedler has written or co-authored 19 research articles, including one that appeared in the *Journal of the American Mathematical Society* and another in the *Duke Mathematical Journal*. He has given lectures at seminars and conferences at major universities in the US, Canada, and Europe. He also has mentored several undergraduates as well as an IMSA student and has helped direct undergraduate reading and research programs at MIT and the University of Chicago. Schedler is fluent in French, an accomplished keyboard musician (piano and organ) and a triathlete. Schedler is a graduate of Harvard University and the University of Chicago, and he spent a year at the Ecole Normale Supérieure in Paris.

Past Alumni Award Honorees

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Alumni Distinguished Leadership Award

Dr. Thandeka K. Chapman '89
Dr. Rebecca Willett '96

Alumni Titan Award

Pooja K. Agarwal '01
Joshua A. Gerlick '99
Sendhil Revuluri '90

2008 Recipients

Alumni Trailblazer Award

Steven S. Chen '96
Russel E. Simmons '95

Alumni Distinguished Leadership Award

Sanza T. Kazadi, Ph.D. '90
Mia K. Markey, Ph.D. '94
Captain Kenyatta H. Ruffin '99
Scott Swanson '90

Alumni Titan Award

Neal K. Groothuis '97
Paul J. Strasma '94

2007 Recipients

Alumni Trailblazer Award

Rob McCool '91
Ramez Naam '90
Yu Pan '95

Alumni Distinguished Leadership Award

Ben Chelf '96
B. Scott Gaudi, Ph.D. '91
Noah A. Rosenberg, Ph.D. '93
Terri L. Willard '89
Tuwanda Williamson, M.D. '91

Alumni Titan Award

Michael H. Brody '96
Andrea (Ande) L. Croll '97
John B. Hoesley '89
Douglas A. Pratt '97

Alumni Volunteer Recognition

Alumni contributions are critical for IMSA's future. Alumni embody the mission and vision of the Academy, and IMSA needs the knowledge, skills, ideas, resources, connections and counsel that alumni can provide to help it grow and thrive.

During the 2009-2010 academic year, more than 140 alumni generously shared their time and talents with IMSA programs. They served on the IMSA Board of Trustees and the IMSA Fund Board of Directors, taught week-long Intersession courses, represented IMSA to prospective students and families, coordinated reunions and regional alumni gatherings, advised student clubs, worked with the Kids Institute®, reviewed applications for the incoming class of 2013, and much more.

IMSA would like to extend its sincere appreciation to the following alumni volunteers:

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 Ms. Valerie A. Young '08

While we carefully prepared this list of volunteers, we recognize that errors may have occurred. Please accept our apology if your name is not properly represented and contact IMSA's Office of Advancement at (630) 907-5041 so that our records can be corrected. Thank you!

The internationally recognized Illinois Mathematics and Science Academy® (IMSA) develops creative, ethical leaders in science, technology, engineering and mathematics. As a teaching and learning laboratory created by the State of Illinois, IMSA enrolls academically talented Illinois students (grades 10-12) in its advanced, residential college preparatory program, and it serves thousands of educators and students in Illinois and beyond through innovative instructional programs that foster imagination and inquiry. IMSA also advances education through research, groundbreaking ventures and strategic partnerships. (www.imsa.edu)

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