



Illinois Mathematics and Science Academy

Report of the IMSA Emeriti

January – June 2012

“...continuing to advance IMSA in significant ways...”

Prepared by
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Dr. David Barr

Administrator Emeritus 1987-2004

International Society for Technology in Education, National Educational Technology Standards Project, UNESCO Information Communication Technologies, Leadership Competency Framework for Teachers' Endorsement Program (ICT-CFT)

International Society for Technology in Education (ISTE) <http://www.iste.org/welcome.aspx>

Dr. Barr continues to work with ISTE and its partner organizations on a number of educational technology related projects, primarily the review of national and international curricula for alignment with the **National Educational Technology Standards for Students, Teachers, and Administrators** as part of ISTE's Seal of Alignment Program.

He has also been involved in the revision and publication of ISTE standards for Technology Director and Technology Coach for use by **National Council for Accreditation of Teacher Education (NCATE)** in its certification of teacher training programs at the university level. NCATE works to help establish high quality teacher preparation through the process of professional accreditation of schools, colleges and departments of education.

National Educational Technology Standards (NETS) <http://www.iste.org/standards.aspx>

As a member of the National Educational Technology Standards leadership team, Dr. Barr promotes and expands awareness of IMSA with a number of governmental agencies (*public schools, universities, the U.S. Department of Education, UNESCO and others*) and corporate partners (*Hewlett Packard, Intel, Adobe and others*).



NETS are a set of standards published by the **International Society for Technology in Education (ISTE)** for the purpose of leveraging the use of

technology in K-12 education to enable students to learn effectively and live productively in an increasingly digital society.

The **National Educational Technology Standards (NETS)** are developed through an extensive consensus building process involving face-to-face forums with educators across the country, collection of online data from around the world, and discussions with other numerous professional, non-profit and business organizations. The focus this year is on a revision of the standards for Technology Facilitator and Technology Leader for NCATE, the certification board for colleges of education. **New versions of the standards for Technology Director and Technology Coach will be released this fall.** These interactions provide opportunities for bringing IMSA's voice to the table and for exploring and advancing potential partnerships.

Ms. Susan Eddins
Faculty Emerita 1986-2004

Council of Presidential Awardees in Mathematics, National Council of Supervisors of Mathematics, Mathematical Association of America, National Council Teachers of Mathematics, Mathematics Club of Chicago

IMSA25

Ms. Eddins attended the IMSA25 Gala at the St. Charles Country Club and says it was, “a highlight of the past six months.” She enjoyed seeing colleagues and former students during her visit to IMSA, and she’s looking forward to seeing IMSA’s 2012 yearbook, *Gallimaufry*, when she returns.



Ms. Susan Eddins & Dr. Janice Krouse
IMSA25 Gala (4/14/12)



SUE EDDINS
CHARTER MATHEMATICS TEACHER

WHAT DOES IMSA MEAN TO YOU?
It has always meant the freedom to do what should be done in high school education – real learning and true sharing of ideas.

SHARE A STORY OF YOUR CHOICE.
During the Charter year... our publicity officer came to ask me if I would go back to my classroom and teach a “pretend” class for [a local news crew] to tape. I agreed, but commented that I doubted that students would show up. [There was] a PA announcement asking that students who wanted to be on tape to make their way to my classroom. By the time I walked back there, over twenty students were in the classroom, combing their hair and touching up lipstick – what a bunch of troupers, or maybe just hams!

IMSA “has always meant the freedom to do what should be done in high school education— real learning and true sharing of ideas”
(Ms. Susan Eddins, 2012 *Gallimaufry*)

Illustrative Mathematics, University of Arizona <http://illustrativemathematics.org/>

In an effort to educate teachers and students about the **Common Core State Standards in Mathematics (CCSSM)**, Ms. Eddins is also continuing her work with the **Illustrative Mathematics Project**. Currently she is focusing on review and revision of items written by others to exemplify the level of understanding intended by the standards. The Illustrative Mathematics Project is an initiative of the **Institute for Mathematics and Education** funded by the Bill and Melinda Gates Foundation. This project will provide guidance to states, assessment consortia, testing companies, and curriculum developers by illustrating the range and types of mathematical work that students will experience in a faithful implementation of the Common Core State Standards, and by publishing other tools that support implementation of the standards.

Partnership of Assessment for Readiness for College and Careers (PARCC) <http://www.parcconline.org/>

Since July 2011, Ms. Eddins has served as a national consultant on the Mathematics Prototype Panel at the **Dana Center at the University of Texas** as they develop assessment protocols that will form the foundation for future development of assessments for Illinois and the other 24 states that comprise the **Partnership of Assessment for Readiness for College and Careers (PARCC)** consortium. Items created this winter were field-tested this spring, and Ms. Eddins scored many of them in June. Information gathered from these field tests will inform future prototype development. The **Task Models and Prototype Tasks** will serve as the guidelines for test development companies who will create multiple

versions of the assessments that will eventually be used by the states in the Partnership for the Assessment of Readiness for College and Careers (PARCC). Illinois is one of PARCC's governing states.

Assessing the Common Core Mathematics Standards and Practices 3/9/12-3/10/12



photo from the 2011 ICTM Keynote "Focus, Coherence, Understanding"
<http://www.youtube.com/playlist?list=PLC8E47A83B811A6BA&feature=plcp>

"With the support of the Governor's P-20 Council and ISBE, ICTM and IMSA sponsored this two-day event to write assessment items aligned with the Standards and Practices." Ms. Eddins was pleased to be invited to speak via Skype to approximately 100 Illinois teachers gathered at IMSA for this important Mathematics Assessment Writing Workshop. Her comments focused on the importance of the CCSS Mathematics standards and the potential impact of the Standards for Mathematical Practice found within the document.

About this landmark event, Ms. Eddins says, "*the leadership of Max McGee, Janice Krouse and Don Porzio—along with the entire Math team—should be congratulated on the work they did in putting together such an innovative workshop.*"

Botswana and Zimbabwe

"On a more personal note, February was a wonderful month spent in Southern Africa. Stays in Botswana and Zimbabwe were especially beautiful and were eye-opening as I had an opportunity to interact with a rural tribe and several families living with very little in substance but very much in heart."



*There was the opportunity to visit the **Chinotimba Government School** in Zimbabwe, near Victoria Falls, and I have included a few pictures from that visit. The time in South Africa was divided between fascinating stops in Johannesburg, Kruger National Park, Cape Town, the wine area, and a day trip to the southern tip of Africa - amazing views!*



Next big trips to Alaska and Antarctica in the second half of this year."

Dr. David Workman
Faculty Emeritus 1986-2007

Sigma Xi, The Scientific Research Society and AAPT, the American Association of Physics Teachers

In January 2012, Dr. Workman completed preliminary work finding resources and information for the PBL problem to be used in the **IMSA 2012 Summer Sleuths** program. On April 25, 2012 he participated in **IMSAloquium** where he followed his tradition of asking at least one question at each presentation he attended.

Dr. Workman attended in the **Annual IMSA Staff Appreciation Event** (5/3/12) and the dedication of the **Lederman Science Wing for Creative Inquiry** on (5/16/12).

IMSA Emeriti at the dedication of the Lederman Science Wing for Creative Inquiry:

Dr. David Workman (left)

Dr. Stephanie Pace Marshall (right)

Photograph courtesy of Cathy Veal



Also in May, Dr. Workman was privileged to present two evening **AP review sessions** to IMSA physics students in support of their preparation for taking the AP Physics exams.

Dr. Workman did not leave the United States for any IMSA related work during the last 6 months, but the relationship he initiated between IMSA's math teacher, Vince Matsko, and Thailand's **Institute for the Promotion of the Teaching of Science and Technology** (IPST) is continuing with Vince visiting Thailand in July.

The Institute for the Promotion of Teaching Science and Technology (IPST) <http://www3.ipst.ac.th/eng/>

The Institute for the Promotion of Teaching Science and Technology (IPST) was established by the Announcement of the National Executive Council (1972) with financial and technical support from the United Nations Development Program (UNDP) by virtue of the Institute for the Promotion of Teaching Science and Technology Act. IPST is now an agency under the direction of the Ministry of Education of Thailand. Dr. Workman is planning to **return to Thailand in October 2012** to continue his work with educators in that country.



FOUNDING PRESIDENT AND PRESIDENT EMERITA: STEPHANIE PACE MARSHALL, PH.D.

January – June 2012 Quarterly Report

Strategic Advancement, Positioning, & Promotion of IMSA, IMSA Alumni, Students, & Staff

The role of Stephanie Pace Marshall, as President Emerita, is to “Bring IMSA & Its Work with Her”

This work is supported in part by the Discretionary Fund established by the IMSA Fund for the Emerita President.

AREAS OF STRATEGIC ADVANCEMENT and POSITIONING

- **Promoting and Expanding Awareness and Knowledge of IMSA:** Meetings, targeted conversations and/or presentations with innovative and influential thought and policy leaders (academic, scientific, corporate, entrepreneurial) to expand their knowledge of IMSA’s work and strategic initiatives.
- **Identification, & Promotion of Opportunities to Explore and Create:** potential connections, partnerships and/or alliances focused on innovation, entrepreneurship and talent development.
- **Seeding, Advancing and Opening Doors for IMSA’s proactive leadership, “presence & voice at the table”**
- **Connect IMSA to critical state, national and international networks and leaders.**

Strategic Institutional “Thinking and Designing Partner”

“Tipping Points” for Educational Transformation—An Inquiry <http://www.futureminds.us>

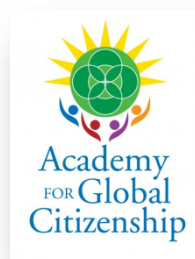
Dr. Marshall was invited to create and join an ongoing monthly dialogue around the conditions essential for accelerating and scaling educational transformation to and through its tipping point. Other members include Bob Hill (Ball Foundation), Glenda Eoyang, (Human Systems Dynamics Institute), Nelson González (Advent Strategy Group), Nick Donohue (Nellie May Foundation), Scott Thompson (Panasonic Foundation), Phil Harris (Association for Educational Communications and Technology) Charles Reigeluth (Indiana University), and Francis Duffy (Gallaudet University). This dialogue is part of the FutureMinds Transforming America’s Schools initiative for which Dr. Marshall is an adviser.

Biomimicry Institute—Exploring a Partnership <http://biomimicryinstitute.org>

At the invitation of Janine Benyus (founder, Biomimicry Institute, a not-for-profit institute dedicated to exploring and promoting nature as the “model, mentor and metric” for contemporary design and innovation), Dr. Marshall will work with their education staff around the question, “How does nature learn?” She introduced Dr. Sherry Eagle to the Institute’s executive director and together they will explore a possible partnership in curriculum design (initially in mathematics) with the new STEM Academy at Aurora University.

Academy for Global Citizenship <http://www.agcchicago.org>

At the request of the Insight Labs and Cannon Design, Dr. Marshall met with Sarah Ippel (founder & executive director, Academy for Global Citizenship and Anne Gillepsie, founding principal) to advise them on their strategic planning process and vision for designing and creating an innovative charter high school. AGC is currently a charter elementary school utilizing the International Baccalaureate curriculum; it opened in 2008 on Chicago’s underserved southwest side and will expand over time to include a high school component. AGC plans to expand to a K-12 model.



Manifest Digital and Insight Labs <http://www.manifestdigital.com> <http://www.theinsightlabs.org>

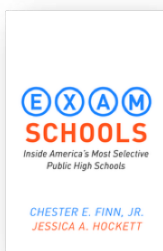
At the invitation of Manifest Digital and its not-for-profit consultancy, Insight Labs, Dr. Marshall participated in a lab designed to address the question, “What is the role of Foundations in wisely impacting social change?” The Insight Lab process is highly innovative and “open-sourced” and brings together a diverse multi-disciplinary team of individuals with expertise outside of the boundaries of the question/issue being addressed. Dr. Marshall will explore the concept of IMSA creating an Insight Lab for STEM innovation as part of IMSA’s professional development portfolio.

The Chicago Architecture Foundation <http://www.architecture.org>

Dr. Marshall was invited to provide input into the Foundation’s strategic plan and its goal to “engage youth in exploring architecture, infrastructure, cities and design” within a new learning story.

Exam Schools: Inside America’s Most Selective Public Schools

<http://press.princeton.edu/titles/9811.html>



Dr. Marshall met with **Dr. Chester Finn** (president, Thomas B. Fordham Institute and senior fellow, Hoover Institution, Stanford University) to discuss his new book on selective American high schools that will be released in October 2012 (4/12/12). **IMSA is one of the schools he featured.** “Exam Schools is the first-ever close-up look at this small, sometimes controversial, yet crucial segment of American public education. This groundbreaking book discusses how these schools work--and their critical role in nurturing the country's brightest students.” Dr. Finn will also be conducting a comparative research study on international gifted education.

CeaseFire, “the campaign to stop the shooting” <http://ceasefirechicago.org>

Dr. Marshall met with Dr. Gary Slutkin (epidemiologist, UIUC and founder, CeaseFire). The purpose of their meeting was to understand the design of Cease Fire’s intervention strategy through the lens of crime as a virus (4/17/12). CeaseFire uses a public health model to stop shootings and killings. They combine science and “street outreach” to track where violence is heating-up and then cool the situation down. CeaseFire launched in West Garfield Park, one of the most violent communities in Chicago in 2000 and was quick to produce results reducing shootings by 67% in its first year.

WIGUP.TV <http://wigup.tv/en>

Dr. Marshall met with Carlyne Chatel (vice president, Balestra Productions Inc. and co-founder, **WIGUP.TV—When I Grow UP**) (5/24-25/12). Dr. Marshall is an advisor to this Canadian educational initiative designed to use collaborative, interactive technology to engage students (9-14) in discovering their genuine gifts and passion.



Balestra Productions, Inc.

<http://www.balestra.tv/site/index.htm>

is an independent television and New Media production company. Well-established, but uncommon in the television industry, Balestra creates intelligent, fascinating and inspiring products, mainly for viewers aged 7 to 18.

Identification, Exploration and Promotion of Initiatives, Partnerships and Networks in STEM and Entrepreneurship

1871: Chicago's New Hub for Digital Start-Ups

<http://www.1871.com/>

1871 is Chicago's not-for-profit new innovation and entrepreneurial start-up hub and accelerator, a Center designed for digital entrepreneurs to immediately "plug into" a vibrant peer, partner and mentor community. Housed in the Merchandise Mart, it is designed as collaborative space for the digital technology start-up community and the emerging innovation ecosystem. The Illinois Mathematics and Science Academy was invited to join the University of Illinois, Northwestern University, University of Chicago, DeVry and the Illinois Institute of Technology as a member of 1871.



Joined by Jim Gerry, Dr. Marshall met with Kevin Willer (president & CEO, Chicagoland

Entrepreneurial Center) and

Steve Collens (senior VP, Pritzker Group) to explore IMSA's presence and participation. IMSA's initial participation will focus on the TALENT Program (Jim Gerry and Carl Heine will bring **TALENT students to 1871 on Wednesdays**), but multiple opportunities exist for expanded student and staff engagement with IMSA and beyond. Mr. Willer asked Dr. Marshall and Mr. Gerry to meet with Una Pipic (1871 Programming, Chicagoland Entrepreneurial Center) and Dr. Caralynn Nowinski M.D. (Associate V.P. for Innovation and Economic

Development, University of Illinois). In February 2012, Dr. Marshall and Jim Gerry met with (1) Una Pipic to discuss a potential IMSA collaboration and partnership in curriculum and educational offerings and (2) Caralynn Nowinski to explore the possibilities of what the IMSA/U of I "winning combination" might look like in 1871. **IMSA now has a physical presence in the form of a "classroom" jointly supported by the IMSA Fund and an anonymous donor.** It is clear that the "IMSA Brand" is valued by 1871 founders. On 5/2/12, Dr. Stephanie Pace Marshall (1991) attended the Grand Opening. On 6/14/12 she conducted a seminar at 1871 for Golden Apple winners.



The Impact Engine <http://www.theimpactengine.com>

Impact Engine is a new Chicago-based business accelerator aimed at growing new for-profit ventures and companies with a social mission to positively impact social change. Impact Engine provides seed funding, business development assistance and mentoring for 8-12 socially-driven for-profit start-ups. The idea is to help socially impactful new ventures get off the ground. One of its founders, Dr. Jamie Jones (assistant director, Social Enterprise at Kellogg [SEEK]) contacted Dr. Marshall to explore potential synergies in our programs and possibilities for collaboration. Dr. Marshall invited Mr. Jim Gerry to be a part of this exploration and Dr. Jones offered the TALENT program, a student internship opportunity. It is becoming clear that IMSA's ability to participate in the dynamic environment and opportunities afforded by our participation in 1871 will accelerate IMSA's design of personalized learning options.



Free The Children <http://www.freethechildren.com>

Dr. Marshall introduced Alexandra Martin (program manager, Free The Children) to Ms. Deb Gerdes (program director, Problem-Based Learning) for the purposes of integrating IMSA's Problem Based Learning into Free The Children's curriculum at Kisaruni Girls' Secondary School. Ms. Gerdes and Ms. Martin are now designing strategies for engaging in meaningful professional development within the constraints of very limited travel and technology.

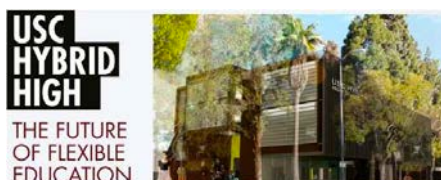
Strategic Representation of IMSA in Educational, Scientific, Technological, Corporate & Political Arenas
Spirit of Innovation Challenge, Conrad Foundation <http://www.conradawards.org>

Two years ago, Dr. Marshall introduced IMSA and Mr. Jim Gerry to the work of the Conrad Foundation, founded in 2008 by Ms. Nancy Conrad (widow, Apollo 12 astronaut Pete Conrad) to "shift how STEM is taught in K-12 schools and across socio economic levels. The Foundation's flagship program, **The Spirit of Innovation Challenge**, enables teams of high school students across the nation to develop commercially viable technology-based products that solve a real global challenge. The culmination of the challenge is the Innovation Summit which Dr. Jay Thomas (professor, Aurora University; past president, NCSSTMST) attended. Currently, Dr. Marshall, Jim Gerry and the Foundation's director are exploring a partnership with IMSA through the use of CoolHub.

Educational, Government and Business Groups, Advisory Boards, Commissions, Peer Review Boards in Policy, Innovation, Design, STEM Education and Research

Golden Apple <http://www.goldenapple.org>

Penny Lundquist (director, professional development program), Dominic Belamonte (president and CEO) and Carol Broos (consultant) met with Dr. Marshall to explore ideas about Golden Apple's future strategies including innovation and design in professional development. Dr. Marshall conducted a seminar for the 2012 Golden Apple winners at 1871 (6/14/12). Her book, *The Power To Transform: Leadership That Brings Learning and Schooling to Life* (2006), is used as a text for this semester course.



USC Hybrid High <http://uschybridhigh.org>

Dr. Marshall was asked by Sheree Speakman (V.P., Services and Support, *The Princeton Review*) to meet with Dr. Karen Symms Gallagher (dean, Rossier School of Education, USC and board chair of a new charter high school, **USC Hybrid High**) (2/16/12 & 6/5/12). Dean Gallagher is a noted national expert

in online learning and credentialing. The purpose of these meetings and ongoing dialogue is to explore potential collaboration with IMSA and Hybrid High, especially online curriculum.

The Organization for Economic Cooperation and Development (OECD) <http://www.oecd.org>

As an advisor to the Chicago Chamber of Commerce's OECD Task Force, Dr. Marshall was invited to participate in the "**Metropolitan Areas Facing a Globalized World: The Case of the Chicago Tri-State Region**" that convened in Chicago (3/9/2012). OECD is a global economic policy forum and "provides analysis and advice to governments around the world in order to create better policies for better lives." During this event, the "OECD Territorial Review of the Chicago Tri-State Metropolitan Region" was released and attendees discussed its findings and recommendations. The Review was commissioned by the Chicagoland Chamber of Commerce, the Chicago Metropolitan Agency for Planning, and the Economic Development Administration/ U.S. Department of Commerce. It marks the 23rd in a series of such OECD reports requested from metropolitan regions around the world, including Milan, Toronto, Stockholm, Seoul, Montreal and Istanbul, but the first in the U.S.

Meeting with Steve Gering, CPS Chief Leadership Development Officer

Dr. Marshall met with Steve Gering who is overseeing a new initiative of CPS called The Chicago Leadership Collaborative, designed to build and improve the pipeline for CPS principals. Dr. Marshall explored how principals would specifically be trained for leadership of STEM institutions.

H.E. Gyorgy Szapary, Ambassador of Hungary to the United States

Kaarina Koskenalusta (honorary consul of Hungary in Illinois; former CEO, Executive Club of Chicago) and Miklos Martin-Kovacs (investment and trade commissioner) invited Dr. Marshall and other leaders of Chicago's global organizations and institutions to meet with H.E. Gyorgy Szapary (ambassador of Hungary to the U.S.) (3/28/12). This event was hosted by Adam J. Hecktman (director, Microsoft Technology Center). H.E. Gyorgy Szapary is a distinguished economist, professor and served as Chief Economic Policy Advisor to Prime Minister Viktor Orban (deputy governor, Hungarian National Bank and member, Monetary Council). H.E. Szapary spent 25 years in senior level positions in the International Monetary Fund in Washington, D.C. and internationally.

4th Kellogg Innovation Network Global Summit <http://www.kinglobal.org>

Dr. Marshall was invited to serve as an international delegate to the fourth Kellogg Innovation Network Global Summit (KIN Global) on 5/30/12-6/1/12. The focus of the Summit was building prosperity through innovation. Dr. Marshall met with Norm Augustine (former chairman, Lockheed Martin and chairman of the commission that wrote *Rising Above the Gathering Storm*), Dean Julio Ottino (dean, School of Engineering, Northwestern University) and Carlos Dominguez (senior vice president, CISCO).



Clinton Global Initiative America

<http://www.cgiamerica.org>

As a member of the Clinton Global Initiative, Dr. Marshall was invited to join business, foundation and non-for-profit leaders in Chicago on 4/23/12 for a discussion on the state of the US economy and job creating strategies, including education.

President Clinton gave an overview of the focus issues for the CGI America Conference that was held in Chicago, June 7-8. He launched CGI America in 2011 to address economic recovery and job creation in the United States through partnerships

and innovation. These themes were the focus for this year as well. Dr. Marshall attended last year's inaugural meeting of CGI America that brought together leaders from across the public and private sectors to make more than 100 Commitments to Action. This year, Dr. Marshall served as an adviser to the **STEM education group of CGI America** and attended the CGI Conference in Chicago on 6/7/12-6/8/12, serving as a member of the STEM Working Group: **"Preparing America's Next Generation of STEM Innovators."**

Wisdom University (graduate degree granting university—MA and Ph.D.) <https://www.wisdomuniversity.org/>

Dr. Marshall serves on the Board of Wisdom University in San Francisco. The University is designing a "full spectrum" learning paradigm that integrates online and on-site learning. Wisdom University and The Global Shift University are exploring a merger, which will include a high school. Dr. Marshall will explore a partnership with IMSA.

Keynote Speaker and Presenter for Conferences, Symposia and Special Events

- “Purpose: The Narrative Driver for Our Life’s Unfolding Story.” Senior Management Retreat (Leo Burnett). Chicago, IL. 3/1/12.
- Introduction of Bruce Mau, Conference Keynoter. Illinois Association for Gifted Children: 2012 Annual Convention. Chicago, IL. 3/6/12.
- “Transformative Leadership: It’s An Inside Job.” Women’s Connection: *Women In Leadership*. Davenport, IA. 3/8/12.
- Acceptance of portrait of Dr. Leon Lederman (portrait commissioned by Ellen Lederman and painted by artist Martyl Langsdorf). IMSA25 Gala. St. Charles, IL. 4/14/12.
- Remarks for the dedication of the IMSA Lederman Science Wing for Creative Inquiry. Aurora, IL. 5/16/12.
- Seminar with Golden Apple Scholars and Penny Lundquist (director of professional development, Golden Apple Foundation). Chicago, IL. 6/14/12.



Interviews

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- Seiden, Jason. “Beyond Social” Ajax Social Media. WebTalkRadio.net. (Podcast Recording) 18 Jun 2012. <http://webtalkradio.net/shows/beyond-social/>.

Special Events

- Abraham Lincoln Leadership Prize given to Lech Walesa. Chicago, IL: 2/9/12.
- 2012 Intel Science Talent Awards. Washington, D.C., 3/13/12. (IMSA had one student among the top 40 finalists, and he sat at Dr. Marshall’s table.)
- Convocation of Lincoln Laureates. Illinois State Capitol, Springfield, IL: 4/21/12.
- The Chicago Network Annual Luncheon “Women on the Forefront.” Chicago, IL: 4/27/12.
- Vannevar Bush Award given to Dr. Leon Lederman by the National Science Foundation. U.S. State Department, Washington, D.C.: 5/3/12.
- Commercial Club of Chicago. “Chicago’s Rising Technology Sector” with guest speakers J.B. Pritzker (managing partner of the Pritzker Group and partner of New World Ventures) and Pat Ryan, Jr. (CEO and co-founder of INCISENT Technologies). Chicago, IL: 5/15/12.
- IIT recognition dinner of the lives and contributors of Robert Galvin and Robert Pritzker. Illinois Institute of Technology. Chicago, IL: 5/23/12.
- The Chicago Network Annual Dinner, Innovation and Technology in Chicago. Chicago, IL: 6/19/12.

- “Time For Women” international invitation dinner. The Arts Club of Chicago. Chicago, IL: 6/27/12.

Attracting and Securing Financial and Human Resources to Create and Advance Strategic Initiatives:

Participation in IMSA and IMSA Fund Events

- IMSA Fund Board and Advancement Staff: IMSA Fund Board Training (4/11/12); Finance Committee meeting (5/17/12), Executive Committee meeting (5/29/12), Fund Board meeting (6/5/12)
- IMSA Board of Trustees. As the Fund Board’s liaison to the BOT, Dr. Marshall attended the Trustees Retreat on 1/20/12-1/21/12 and meetings (4/11/12, 5/16/12)
- Orchestrated the IMSA Founders Luncheon at Rich Harvest Farms, Sugar Grove, IL (5/21/12). Participants included: Gov. Jim Thompson, Dr. Leon Lederman, U.S. Speaker Dennis Hastert, Jim Pearson, Jack McEachern, Sheila MB Griffin, Jesus “Manny” Sosa, Mike and Darlene Steffen (IMSA alumni parents).

Staff and Student Events, attended:

- Community Learning Day (2/17/12)
- Talent Power Pitch presentation at the IBM Innovation Center, Chicago (3/6/12)
- Senator Dick Durbin Reception hosted by Dr. Purva Rushi and IMSA students (4/30/12)
- IMSA Senior Class Dinner at the Waterford Conference Center, Chicago (6/1/12)
- IMSA Convocation at the Paramount Theater, Aurora, IL (6/2/12)
- IMSA Community Learning Day (6/4/12)

Ongoing Meetings with IMSA Staff and Students

Dr. Marshall’s engagement with administrators, staff and faculty focuses on the areas of: innovation, IMSA Great Minds Program, entrepreneurship, Chicago networking within the innovation and entrepreneurial community, Fund Board development and Endowment fundraising.