NEWSLETTER





GARETH HATCH, EDITOR

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From The President

By Randall Victora, Society President

During the last quarter, I attended my first INTERMAG conference as Society President. As many of you are aware, this INTERMAG suffered the twin afflictions of the economic downturn and swine flu (H1N1 virus). Despite these problems, overall attendance neared expectation thanks to the efforts



of the general chairman Massimo Pasquale, his management committee, our conference coordinator Diane Melton, and many of you readers who did not let California Governor Arnold Schwarzenegger's declaration of a State of Emergency deter your attendance. I would like to think that the decision of the Magnetics Society to promote attendance by subsidizing the registration fee also contributed.

However, registration at the two conference hotels (Hyatt Regency and the Sheraton) was not even close to our

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IEEE Magnetics Letters

By Ron Goldfarb, Publications Committee Chair

On 1 January 2010, the Magnetics Society will launch IEEE Magnetics Letters, a rapid-publication, primarily electronic, peer-reviewed journal dedicated exclusively to magnetics articles of substantial current interest.

Articles will be published on IEEE's archival Xplore platform as soon as page proofs are approved by authors. The journal will use a dedicated editorial review board and a selected pool of reviewers in order to guarantee no more than two weeks from submission to first decision. Articles accepted by two first-round peer reviewers will be published on-line, in fully citable form by article number, within eight weeks of submission.

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Magnetics Letters may be up to four pages in length. They will have a modern design, easy-to-read typeface, and full color. There will be no page charges.

Members of the Magnetics Society will have free on-line access. Following each publication year, members will also receive the entire volume on CD-ROM. A black-and-white annual compilation will be printed and mailed to print subscribers. For a fee, authors will have the option of making their articles freely available under "open access."

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INTERMAG 2009: Conference Review

By Massimo Pasquale, INTERMAG 2009 General Chair

The International Magnetics Conference (INTERMAG 2009) was held at the Sacramento Convention Center in California, during May 4-8, 2009. This premiere technical conference on applied magnetism attracted about 900 attendees from all over the world, as well as 15 exhibitors. There were 1260 digests submitted from 37 countries, and among them 964 were selected for presentation by the program committee. The attendance to the conference proved to be satisfactory, regardless of the downturn in world economy and the sudden outbreak of a novel strain of flu just a few weeks before the conference. The combined effect was a wave of last minute withdrawals, which reduced the total attendance to about 840 delegates.

The program committee arranged the scientific and technical contributions into 86 sessions which covered new developments

featured 8 invited symposia and an evening tutorial on "Magnetics-CMOS Integration", organized by the Society's Education Committee.

in magnetism. The conference also

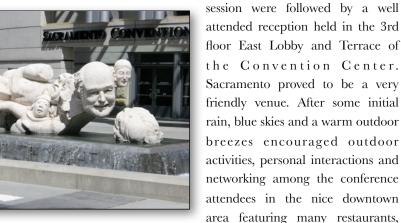
The plenary session featured the lively presentation "Rare Earth Permanent Magnets: Raw Materials, Magnets and Opportunities" by Stanley Trout of Spontaneous Materials. The Awards Ceremony honored several

outstanding scientists: Roger Wood of Hitachi Global Storage Technologies (IEEE Magnetics Society Achievement Award); Shan Wang Stanford University (new IEEE fellow); Paolo Freitas, Instituto Superior Tecnico, Stuart Parkin, IBM Almaden Research, Robert Stamps, U. Western Australia, Bruce Terris, Hitachi Global Storage (2008 IEEE Magnetics Society Distinguished Lecturers).

Society Certificates of Appreciation were presented to Manuel Vazquez (Chairman of the 2008 Intermag Conference); Carl Patton, Colorado State University (Past President of the IEEE Magnetics Society) and to the following retiring members of AdCom: Axel Hoffmann (Technical Committee Chair); Can Korman (Publicity Committee Chair); Robert McMichael (Chapters Committee Chair); Ryusuke Hasegawa (Membership Committee Chair); J.W. Harrell (Education Committee Chair); Liesl Folks (Finance Committee Chair); Pallavi Dhagat (Coeditor of the Newsletter) and Albrecht Jander (Co-editor of the Newsletter). A Certificate of Appreciation was also presented to Zbigniew Celinski for his extraordinary efforts as Chair of the 2008 Summer School.

A moment of silence was dedicated to the memory of William Doyle, University of Alabama, former President of the Magnetics Society, who passed away on September 20, 2008.

Magnetics Society Best Student Paper Award Finalists were recognized: Kai He (Arizona State U); Chaitanya Mudivarthi (U Maryland); Rie Matsumoto (AIST Tsukuba); Xiaofeng Yao (U Minnesota); Michael Tran (CNRS-Thales). To conclude the ceremony, the 23 IEEE Student Travel Grant Recipients were also recognized.



floor East Lobby and Terrace of the Convention Center. Sacramento proved to be a very friendly venue. After some initial rain, blue skies and a warm outdoor breezes encouraged outdoor activities, personal interactions and networking among the conference attendees in the nice downtown

The Awards Ceremony and Plenary

shops and attractions.

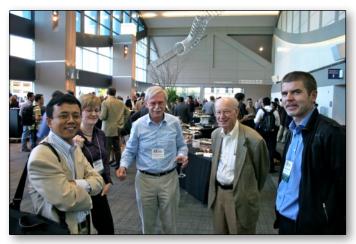
The Conference also featured a popular "wireless cafe" in the exhibits and poster area. A Women's Networking Reception was held on Thursday evening. The Bierstube proved to be as popular as ever for networking.

Overall, this conference was scientifically successful and financially balanced due to the dedication of the staff at Courtesy Associates, Diane Melton, Ann Shafran and Lauren Westcott, coupled to the efforts of more than 600 volunteers, including all the Editors, Session Chairs and paper reviewers. Among them a special thank goes to all the Management Committee, to Doug Lavers, Magnetics Society CEC Chair, and Liesl Folks, Magnetics Society Secretary-Treasurer.

INTERMAG 2009: In Pictures



Sacramento



At the Welcome Reception



Discussions at the Welcome Reception



Plenary Speaker Dr. Stan Trout



Program Co-Chair Dr. Eric Fullerton + Team



More Discussions at the Welcome Reception

INTERMAG 2009: In Pictures



Dr. Roger Wood receiving the 2009 Magnetics Society Achievement Award from Dr. Randy Victora, Society President



Dr. Paulo Freitas, 2008 Distinguished Lecturer, receiving a Certificate of Appreciation from Dr. Roy Chantrell, Distinguished Lecturers Coordinator



Dr. Stuart Parkin, 2008 Distinguished Lecturer, receiving a Certificate of Appreciation from Dr. Roy Chantrell, Distinguished Lecturers Coordinator



Dr. Bruce Terris, 2008 Distinguished Lecturer, receiving a Certificate of Appreciation from Dr. Roy Chantrell, Distinguished Lecturers Coordinator



Dr. Manuel Vazquez, INTERMAG 2008 General Chair, receiving a Certificate of Appreciation from Dr. Massimo Pasquale, INTERMAG 2009 General Chair



Dr. Carl Patton, 2007 - 2008 Society President, receiving a Certificate of Appreciation from Dr. Randy Victora, current Society President

INTERMAG 2009: In Pictures



Dr. Axel Hoffmann, retiring Technical Committee Chair, receiving a Certificate of Appreciation from Dr. Randy Victora, Society President



Dr. Ryusuke Hasegawa, retiring Membership Committee Chair, receiving a Certificate of Appreciation from Dr. Randy Victora, Society President



Dr. Pallavi Dhagat, retiring Co-Editor of the Society Newsletter, receiving a Certificate of Appreciation from Dr. Randy Victora, Society President



Dr. Jander Albrecht, retiring Co-Editor of the Society Newsletter, receiving a Certificate of Appreciation from Dr. Randy Victora, Society President



Dr. Zbigniew Celinski, 2008 Summer School Chair, receiving a Certificate of Appreciation from Dr. Randy Victora, Society President

From The President continued from page 1

contracted 250 rooms/night apiece. Understanding the seriousness of this problem begins with the realization that neither INTERMAG nor MMM typically pay for their meeting It is usually subsidized by registrants staying at the conference hotel(s). Essentially, the conference guarantees that a certain number of rooms, often 600 per night, will be taken. On the basis of this guarantee, the hotel provides us a certain amount of meeting space, typically 8 meeting rooms, poster/ and a few miscellaneous rooms for small exhibition space, meetings, publications, and practice talks. If the conference does not fill its room block, then we must pay the hotel for those unoccupied rooms. This can become very expensive. For example, the original fee was approximately \$100,000. Fortunately, the hotels agreed to reduce this sum to a value slightly less than \$20,000, which, while painful, is not fatal. Nonetheless, this is money that will need to be recouped in the future, presumably by higher registration fees. In short, the point that I am making is that it is crucial that all registrants make an attempt to stay at the conference hotel. insufficient number of individuals do so, then we will have to change our economic model to something approaching that of overseas INTERMAGs with distant hotels and high registration fees.

On a different topic, as Society President, I am an ex-officio member of all committees. In principle, this means that I am expected to attend all committee meetings, a point that I realized only shortly before the conference. Barring a timeturner, like that used by Hermione in the Harry Potter series, this is impossible. Therefore, I apologize to those readers whose committee meeting I missed: I hope next time to sample a different set.

Finally, I also chaired my first ADCOM meeting. (The meeting extends for 2 hours over each of two days, making it more like a pair of meetings). Our ADCOM has 37 voting members, plus several nonvoting members and invited guests, many of whom have strong opinions, making this quite an adventure. Probably the most significant outcome was passage of a vote authorizing the creation of IEEE Magnetics Letters, a new, very rapid publication journal to be run by the Magnetics Society. This was later ratified by the IEEE Technical Activities Board, implying that the journal will begin in January 2010. More details are presented elsewhere in this issue of the newsletter. Other topics included a slight increase in funding for the upcoming Magnetics Society Summer School in Nanjing and presentations by representatives of the Japanese, Korean, and Taiwanese Magnetics Societies. We are hopeful that our improved knowledge of these societies can help us better collaborate with their membership. Finally, we heard more about an upcoming Wiki magnetics site sponsored by the Magnetics Society.

Randall Victora can be reached via email at victora@umn.edu

Bring In New Blood

By Chih-Huang Lai, Membership Committee Chair

Updated membership statistics for the IEEE Magnetics Society indicate a decrease in numbers of 4.5 %. As of March 2009, we have a total of 2780 members. Major decreases were in U.S. membership (5.7 % or 69 members) and student membership (43.7 % or 43 members). The economic storm seems to have significantly affected participation by those members working in industry. The close link between our Society and magnetics industries makes it extremely important to have members from industry active in the Society. A warning sign for membership development is the decrease of our student members. These young researchers are the future of our Society. Encouragement from our members in universities will strongly help students to be more familiar with our Society and to be willing to get involved in our activities. Establishment

of student branches combined with GOLD (Graduate Of the Last Decade) activities have been planned to increase our student member numbers.

In addition to providing good services to our technical community, publicizing the benefit of joining our Society is essential. The membership desk during the 2009 INTERMAG Conference in Sacramento, attended by IEEE representatives, AdCom members and two enthusiastic student volunteers, successfully added 17 new members (including 4 student members). Let's share our experience with our friends and colleagues who may be interested in our Society and continue working together to bring in new blood.

2009 AdCom Election: An Update

By Carl Patton, Nominations Committee Chair

The "Nominations for Consideration for the Ballot" closed on 01 June. There were 32 nominations submitted with all IEEE Regions represented. This may be a record for the Magnetics Society. It is great to see such an interest in service to the Society, especially on a broad international level. All of the submissions were for very good and very well qualified people. The Nominations Committee has been deliberating on these submissions for one month. Many e-mail exchanges and several rounds of rating exercises have been conducted. The process was difficult and all of the ratings were very close. After a lot of work, the committee has just completed its selection process. I am in the process of notifying all of the nominees and their nominators of the results. 18 individuals were selected for the ballot. It was felt that, even though all of the submissions were very qualified, too many people on the ballot would dilute the vote more than is desired. A ballot with 18 candidates vying for the 8 elected member slots on the AdCom for the next term was deemed most suitable, all factors considered.

For the first time, we have decided to use electronic balloting. The IEEE has recently acquired new and improved software for the cost effective implementation of electronic balloting. This is a great improvement over past options. Previously, the charges by the IEEE to the Society for running an electronic ballot were, for some reason, much more costly than a paper ballot. This has now changed.

All Magnetics Society members with their e-mail address of record in the IEEE system will receive further instructions and ballot materials in due course. Members with no e-mail address of record will receive a paper ballot by regular mail. Balloting is scheduled to start on 15 August and extend through 15 October, as per the Society Bylaws. The eight individuals on the ballot with the highest number of votes will be elected to the AdCom for the 2010 - 2012 term.

More information will be coming to all members on the upcoming election shortly.

REPM'10 in Slovenia

The 21st International Workshop on Rare-Earth Permanent Magnets and their Applications, to be held in Bled, Slovenia, from 29 August to 2 September 2010, will continue the series of meetings initiated by K. J. Strnat.

It is an honour for the Slovenian scientists involved in the field of magnetism and magnetic materials, as well as the country's producers of permanent magnets, that Slovenia was chosen to host this Rare-Earth Magnets Workshop. The research and development in this field, which started in the US, is now taking place all over the world. These Workshops have been held on five continents and in ten countries, and Slovenia will be happy to welcome you to the picturesque town of Bled, to spend four and a half days presenting new results and ideas, together with wide-ranging and fruitful discussions, to highlight the on-going and future developments in the field.

This biennial meeting is organized under the auspices of academic and industrial partners working on the development and applications of permanent magnets

based on rare earths and transition metals, and more recently on other permanent magnet materials.

We wish to welcome scientists, researchers and producers working in the dynamic area of permanent magnets to participate in the 21st International Workshop on Rare-Earth Permanent Magnets and their Applications in 2010. We are also delighted and honoured that Prof. George Hadjipanayis has accepted an invitation to be the Workshop's Keynote Speaker.

For more details visit:

http://nano.ijs.si/repm10.htm

Chair: Prof. Dr. Spomenka Kobe Jozef Stefan Institute

Co-chair: Dr. Boris Saje Kolektor Group d.o.o.

Peter Clout: Candidate for Division IV Director-Elect

By Peter Clout, IEEE Nuclear Plasma Sciences Society Past President

I am standing for Director Elect of Division IV this year and am asking for your vote. This position is for 2010, as a year in training, and then in the following two years the successful candidate will be serving on the Board of the IEEE primarily representing the interests and views of the members of the seven societies and one council that make up our Division. In addition, the Division Director serves on TAB (Technical Activities Board) and the IEEE Assembly.

Apart from the President of the IEEE, there are two ways that members' voices are heard at the IEEE Board: by voting for Division Director and by voting for Region Director. We are members of one of the technical divisions, Division IV, which consists of seven smaller societies and one council. Each society has a style of its own but the important thing is that society member technical needs and interests are satisfied. For this the volunteers in your society need good support and that is what I will strive to do.

Why am I standing, why am I offering my time to this position? I firmly believe that

strong technical communities are fostered by good publications, good meetings and good communications generally. All these require support from volunteers and I have happily given my time over the many years of involvement to support all our members.

Of course, all these activities require a good business model which is one way of saying that the funding for activities has to come from somewhere. There are always activities that have a cost to IEEE and other activities that generate revenue and in general, it is the societies, with the support of IEEE corporate, that generate much of the revenue from conferences and publications.

It is important to not only maintain but improve the value of the conferences and publications as the IEEE is not only highly respected but also in a competitive environment. However, with good leadership and continuing good support, our work for the growth of our respective communities can be even more effective. I want excellent and well-attended meetings and highly valued publications – this is the core of the IEEE and this is what I will support.

Ways I have been helping with this have been in preparing and distributing brochures and leaflets about all the activities of my home society, NPSS. This, along with membership booths and volunteers manning the booth at conferences, generates new memberships and ensures that all the members of the

communities that NPSS serves are fully aware of all the opportunities we offer them. Each two years this job includes responsibility for creating and distributing over two tons of literature to over 16 conferences as well as membership mailings.

I currently serve on the TAB Society Review Committee, discussing with societies their operations and hearing about and documenting their innovations to share with other societies and offering help and advice where needed. While both society leaders and committee members put a lot of work into this review process, the benefits are well recognized and

appreciated. It makes for stronger societies in a stronger IEEE.

Of course, we are in uncertain times and very few people recently have been looking at financial statements with a smile. These are times where prudent financial management and careful expenditure are essential. My home society has been very successful here because the volunteers directly organizing meetings and running the publications have been well supported by the core NPSS leadership. I will be looking carefully at these aspects in the broader sense of the IEEE support of smaller societies such as make up the societies of our Division IV.

If elected I will report to you, the volunteers and members of the IEEE Magnetics Society and I will always be happy to hear from you. Please visit my web site at **www.peterclout.com** or send me email at **p.clout@ieee.org**.

Please also vote in the election - I am asking for your vote.

Conference Calendar	
Jul 20 - 24, 2009	20th International Colloquium on Magnetic Films and Surfaces Berlin, GERMANY Web site: www.icmfs2009.org
Jul 26 - 31, 2009	International Conference on Magnetism Karlsruhe, GERMANY Web site: www.icm2009.de
Sep 6 - 9, 2009	19th Soft Magnetic Materials Conference Torino, ITALY Web site: www.smm19.eu
Sep 7 - 10, 2009	EUROMAT 2009 Symposia on Magnetic Materials Glasgow, UK Web site: www.euromat2009.fems.eu
Sep 20 - 25, 2009	11th International Conference on Advanced Materials Symposium on "Magnetic Materials at the Nanoscale" Rio de Janeiro, BRAZIL Web site: www.icam2009.com
Oct 4 - 9, 2009	Advances in Magnetic Nanostructures Vail, CO, USA Web site: www.engconfintl.org/9bdabout.html
Oct 5 - 7, 2009	20th Magnetic Recording Conference (TMRC 2009) Tuscaloosa, AL, USA Web site: www.mint.ua.edu/tmrc2009/
Nov 22 - 26, 2009	Compumag 2009 Florianópolis, BRAZIL Web site: www.compumag2009.com
Jan 18 - 22, 2010	11th Joint MMM-INTERMAG Conference Washington, DC, USA Web site: www.magnetism.org
Jan 28 - 29, 2010	Magnetics Conference 2010 Orlando, FL, USA Web site: www.magneticsmagazine.com
May 25 - 29, 2010	8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers Rostock, Germany Web site: www.magneticmicrosphere.com/meetings/
Aug 29 - Sep 2, 2010	21st Workshop on Rare-Earth Permanent Magnets and their Applications Bled, Slovenia Web site: nano.ijs.si/repm10.htm

IEEE Magnetics Letters

Magnetics Letters will be part of IEEE's electronic and print subscription packages purchased by libraries all over the world, which will make the journal easily accessible to readers. Institutions may order individual subscriptions to Magnetics Letters for only \$100 (electronic) or \$125 (electronic plus print) for 2010.

The scope of Magnetics Letters will be the physics and engineering of magnetism, magnetic materials, applied magnetics, design and application of magnetic devices, biomagnetics, magneto-electronics, and spin electronics. Articles

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must be current and topical. Submitted articles outside of the journal's scope will be administratively rejected before review.

We invite members of the Magnetics Society to contribute to the new journal. You may submit an article for review from September through December 2009 to be published, if accepted, in early 2010. You may apply to be a member of the editorial review board or to be a journal reviewer by sending me your brief curriculum vitae and publication list. My address is *r.goldfarb@ieee.org*. The intent is for Magnetics Letters to be "the journal of your field."

6th IEEE ROMSC: Conference Review

By Alexandru Stancu, Conference & Romania Chapter Chair

The 6th edition of the IEEE ROMSC conference, organized by the Romania Chapter of the IEEE Magnetics Society in Iasi, Romania between 6 and the 9th of June 2009 was a success!

We had about 75 participants and a similar number of papers with coauthors from 14 countries. The keynote speaker was Prof. Kevin O'Grady with a presentation on the



subject: "A new paradigm for exchange-bias in polycrystalline films"

All the students from our IEEE Student Branch were very active in the organization and in the scientific program.

I would like to thank you for the financial support obtained from the MagSoc.

Twin Cities Chapter News

By Radek Lopusnik, Twin Cities Chapter Chair

The Twin Cities Magnetics Chapter is proud to announce that at the IEEE Twin Cities Section Annual Award Banquet the Magnetics Chapter won the prize for the most active chapter the chapter with the most meetings (and L31 submissions) in the year 2008.

We would like to extend our thanks to the Magnetics Society Distinguished Lecturer program as well as to the IEEE Magnetics Society for the financial support. Last, but not least, we would like to thank all Chapter members and volunteers for organizing and participating in these events.

At the same Banquet, Kaizhong Gao, last year's Twin Cities Magnetics Chapter Chair and this year's IEEE Magnetics Society Chapter Coordinator, received the IEEE Twin Cities Engineer of the Year Award. This is one of the highest awards the Twin Cities Section gives to its members. Congratulations Kaizhong!

United Kingdom & Republic of Ireland Chapter News

By Mike Gibbs, United Kingdom & Republic of Ireland Chapter Chair

The UKRI Chapter has two items to report; the first is a Post-Graduate Conference, to be held at Cardiff University on July 9, 2009. This is an opportunity for post-graduate students to present (orally) their research. There will be an IEEE sponsored cash prize of £100 for the best presentation.

The second is the Wohlfarth Lecture, organized jointly by the IEEE Magnetics Society UKRI Chapter and the Institute of Physics Magnetism Group. This annual lecture is usually delivered as a plenary lecture at the IoP Condensed Matter & Materials Physics conference. Nominations are made by the two groups in alternating years. It is the turn of the UKRI Chapter to nominate the 2009 lecturer.

The purpose of the Wohlfarth lecture is to acknowledge the contribution made by Professor E P Wohlfarth to the study of magnetism in the UK and world wide. The lecture also serves to promote the broad areas of technical interest of Professor Wohlfarth and his commitment to international collaboration in scientific research and magnetism in particular.

The 2009 lecture will be delivered by Prof Stephen Blundell (University of Oxford) at the 2009 Condensed Matter & Materials Physics Conference at the University of Warwick, December 15-17, 2009. The title of the lecture is still to be confirmed.

Philadelphia Chapter News

By John Sudano, Philadelphia Chapter Chair

On April 25, 2009 in the Philadelphia Section we had a wonderful workshop of robotic applications in magnetics.

It took audacity to schedule Dr. Ralph Hollis' "Robotic Applications of Magnetics" course at the same time as the 2009

Penn Relays. While 50,000 watched the record breaking times at Franklin Field, Dr. Hollis wowed an excited group of 30 EE's at the Sheraton University City with hundreds of ingenious devices that he and his teams at IBM and Carnegie Mellon developed.

Sponsored by the IEEE Magnetics Society, Dr. Hollis' whirlwind tour of motors condensed a semester course on advanced robotics into a morning. Starting with single degree of freedom

stages and "scara" robots, he moved quickly to specialty actuators like the "hummingbird", used at IBM for probing semiconductor wafers at speeds visible only by strobe.

One of the highlights of the course was a time-lapsed view of Dr. Hollis and his son building a planar motor in his shop, using a unique Hollis designed machine tool. This planar motor is not the typical Sawyer dual axis stepper motor, but a special closed loop dual axis servo that forms the basis of a agile manufacturing cell. Any number of cells can be integrated mechanically and virtually through some special grad student developed software that eliminates the need for host software to glue it all together. You could use the completed cell for precision manufacture of any sort of hand held device.



My favorite part was Dr. Hollis' haptic frictionless joystick with force feedback. This joystick can be used to pick up a jack in a virtual room or train surgeons in abdominal surgery. Dr. Hollis also interfaced this magnetically levitated joystick to a scanning tunneling microscope. You can actually feel a gold atom! My mind was spinning with what that you could do with this joystick. Now all he has to do is get the price down to something less than 60K!

For an encore, Dr. Hollis and the CMU crew trumped the Segue with a dynamically stable robot that moves by balancing and moving atop a steel ball. This uniball robot stays upright after being kicked!

We all can thank the ingenious professor for stimulating our imaginations with his marvels.

Taiwan Chapter Annual Meeting

By Natasha Sie, Taiwan Chapter Assistant

The annual meeting of Taiwan Chapter was held at National Sun Yat-Sen University, Kaohsiung, Taiwan on June 24, 2009. This meeting was presided by Chapter Chair Jen-Hwa Hsu, who is currently the Professor of Physics at National Taiwan

University. Approximately 80 persons from various parts of Taiwan attended this meeting.

During the meeting, Chair Hsu emphasized the purpose and benefits to join the Society. In addition, he reported the activities of the Taiwan Chapter for the current year. Dr. Grace Lin of National Taiwan University was appointed as the Treasurer and Prof. Ko-Wei Lin of National Chung-Hsing University was

appointed as the Secretary of the Chapter in this meeting. Soon after, Prof. Hideo Ohno of Tohoku University was invited to deliver the distinguished lecture.



Prof. Takao Suzuki of Toyota Technological Institute, President-Elect of the Magnetics Society and Prof. Roy Chantrell of University of York, the DL Program Coordinator, also joined with us in this meeting. This year Prof. Kanan Krishnan of University of Washington and Dr. Mike Mallary of Seagate Research have already presented distinguished lectures at Taiwan. We expect to have Prof. Theo Raising's visit in the last week of September.

Boston Chapter News

By Vince Harris, Boston Chapter Chair

On May 20, 2009, Boston Chapter member Dr. Gerry Dionne (MIT Lincoln Labs) delivered a seminar to the Chapter. The seminar was very well attended with more than 30 attendees. The seminar featured recent work by Dr. Dionne with regards to his text on "Magnetic Oxides," scheduled for publication later in 2009.

The focus of the seminar (and related textbook) is the molecular origins of magnetic properties in ionic compounds,

with discussions emphasizing local interactions based on crystal-field and molecular-orbital models.

The text will address the long-standing and significant void in magnetic ceramics left by such preeminent texts as Smit and Wijn, von Aulock, and Lax and Button, among others. I anticipate that this text will be required reading for every researcher of magnetic ceramics.

Sweden Chapter News

By Johan Åkerman, Sweden Chapter Chair

On June 9, 2009 approximately 25 students and researchers from Stockholm and Uppsala attended a Mini-Symposium on Spin Torque and Magnetodynamics at KTH in Stockholm, co-sponsored the IEEE Magnetics Sweden Chapter.

The Mini-Symposium was preceded on the previous day, by the PhD



defense of Yan Zhou. In Sweden, the PhD defense is quite a formal affair with an external "opponent", who this time was Daniel Bürgler from Peter Grünberg's group in Jülich (Forschungcentrum Jülich). Daniel gave one of three keynote talks at the Mini-Symposium.

New Senior Member

In May 2009, Sining Mao was elevated to the grade of Senior Member. Congratulations!

Senior Member is the highest grade for which IEEE members can apply. For further information on the application process for Senior Membership, visit the IEEE Web site at:

www.ieee.org/web/membership/senior-members

MMM-Intermag Conference

Digest submissions for the 11th Joint MMM-Intermag Conference, to be held Jan 18-22, 2010 in Washington, DC, USA will be accepted from July 27, 2009 onwards. Visit the conference Web site at

www.magnetism.org

for more details.

Hong Kong Chapter News

By Philip Pong, Hong Kong Chapter Chair

Prof. Takao Suzuki, IEEE Magnetics Society President-Elect (2010-2011), visited the Hong Kong Chapter at the University of Hong Kong (HKU), on April 17, 2009 and presented his distinguished lecture on "High

Magnetic Anisotropy Nanocomposites. The Chapter was also honoured to have Prof. Frank K. W. Lin from the National Chung Hsing University in Taiwan, give a distinguished technical seminar on "The Enhanced Structural and Magnetic Ordering of FePt/SiO2 Bilayers by Ion-Beam Bombardment and Annealing" on the same day at HKU.

The visit of Prof. Suzuki and Prof. Lin

to the recently established Hong Kong Chapter was a great encouragement to this newly born chapter. A visit to the Hitachi Global Storage Technologies (HGST) in Shenzhen was

conducted on April 18, 2009. Dr. Zhengang Zhang (Manager, Media

Sputter Process Engineering) led a lab tour and we exchanged ideas on the latest development in magnetism research.

This visit was the first contact of the Hong Kong Chapter with Shenzhen. The Chapter is planning to have more activities organized in Shenzhen in the future, to strengthen the connection between magnetism communities in Hong Kong and Shenzhen.



About the Newsletter

The purpose of the IEEE Magnetics Society Newsletter is to publicize activities, conferences, workshops and other information of interest to the Society's members and other technical people in the general area of applied magnetics. Manuscripts are solicited from Magnetics Society members, conference organizers, Society Officers & other volunteers, local chapters, and other individuals with relevant material.

The Newsletter is published in January, April, July and October electronically on the Magnetics Society webpage at www.ieeemagnetics.org. Submission deadlines are January 1, April 1, July 1, and October 1 respectively.

Please send articles, letters & other contributions to the Newsletter Editor:

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