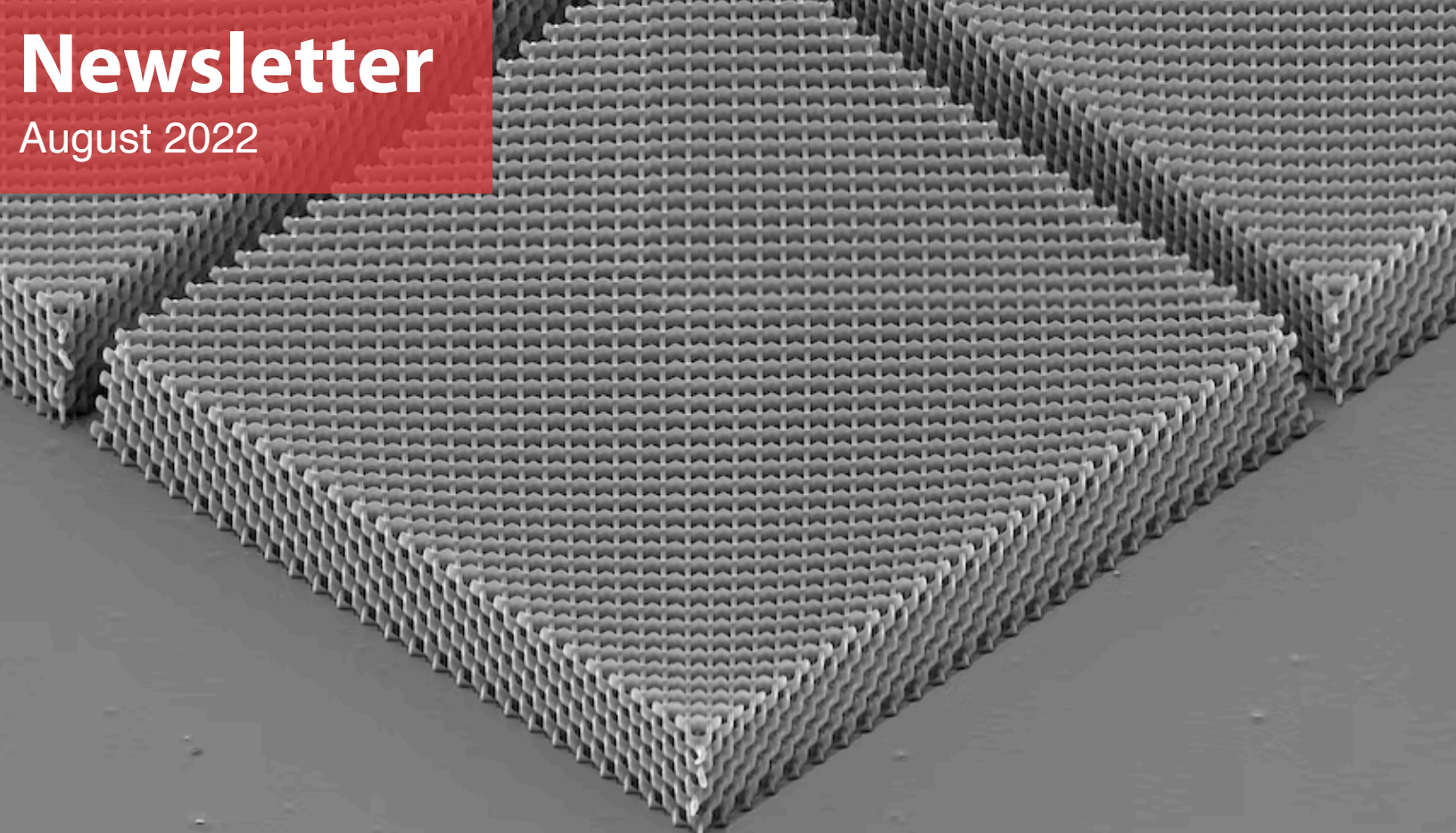


Newsletter

August 2022



A 3D artificial spin-ice material, fabricated using two-photon lithography and deposition.
Source: Arjen van Den Berg and Sam Ladak (Cardiff University).

Newsletter of the IEEE Magnetics Society

Volume 62 | Issue 3 | August 2022

Outgoing Editor: Gareth Hatch; Incoming Editor: Jiayan Law



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From the President

By **Masahiro Yamaguchi**, *President of the IEEE Magnetics Society*

I am pleased to announce that a new IEEE Magnetics Society program 'Magnetism for Ukraine 2022' is now accepting applications until 31 August 2022 at 12:00 CET. The aim of the program is to support the research and professional development of scientists, engineers and students working in the field of magnetics, with a focus on excellence, innovation and community growth.



The Magnetics Society is working with a respected partner, **the Science and Technology Center in Ukraine (STCU)**, together with the Institute of Magnetism of the National Academy of Science of Ukraine (NASU) and the Ministry of Education and Science of Ukraine (MESU), to help manage the proposal collection, evaluation, subcontracting, reporting, and financial accounting. The call for proposals to the STCU has been posted and emails have been sent to those on the list of magnetics researchers in Ukraine.

Mark Kief, Finance Chair, and Fred Schindler, IEEE Division IV Director, had key roles in obtaining approvals for this initiative from the IEEE Board of Directors, and the IEEE Legal and Compliance department. Sara Majetich, Education Committee Chair, led the completion of the grant agreement between IEEE and STCU, with great help from Andrii Chumak and Valentine Novosad. Ron Goldfarb initiated negotiations with the IEEE, always mindful of the need for consistency with IEEE policy. My deepest gratitude to all these and other volunteers involved in this program.

The Magnetics Society grant to support magnetics research in Ukraine is consistent with IEEE's politically neutral status, as expressed in **a statement by Bruno Meyer**, IEEE Vice President for Technical Activities, on 17 March 2022. More information is available at **the Society website**.

The online seminar series on "*Magnetic aspects of electric machines and actuators*" kicked-off recently as a part of the Magnetism for Motors and Electric Machines initiative. This initiative was approved during the April 2022 Administrative Committee (AdCom) meeting, to promote interaction between magnetics and motor/electric-machine communities, including students, Young Professionals and Women in Engineering. The first seminar was delivered online on 15 June 2022, by Jonathan Bird (Portland State University), titled "*Magnetic Energy Conversion – Opportunities and Challenges*."

The second seminar was given by Philip W. T. Pong (New Jersey Institute of Technology), on 8 August 2022. His topic was "*Contactless Magnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives*." Both seminars were well attended, from all over the globe and were full of questions. The seminars were organized by Yacine Amara (University of Le Havre).

The Society will host a booth to introduce its activities and to promote interaction with the existing motors and electric machines community at **the International Conference on Electrical Machines (ICEM)** to be held in Valencia, Spain, during 5-8 September 2022. Interested colleagues please visit!

The 67th Annual Conference on Magnetism and Magnetic Materials Conference (MMM 2022) will be held in Minneapolis, Minnesota, USA, during 31 October – 4 November 2022. MMM 2022 is sponsored jointly by AIP Publishing and the IEEE Magnetics Society, and will offer both in-person and prerecorded, on-demand content. Yayoi Takamura, Conference Chair, and her team will offer more in-person components than recent major conferences hosted by the Magnetics Society. I hope to see many of you in-person there, while remaining aware of any updates on COVID-19 protection.

Note that the next AdCom meeting along with the standing committee meetings of the Society will be held in-person, with virtual participation option, during MMM 2022 in Minneapolis.

The Society's finances remained healthy this year. The Society's first budget forecast for 2023 from the IEEE is, unusually, negative, as a result of including increases to accommodate inflation, rising travel costs, decreases in net conference revenues, and decreases in periodical package financials. We are working on the budget revision to increase revenue and to reduce expenses in all aspects. I will report updates in the next issue of the Newsletter.

I want to share some good news with the readers that *IEEE Magnetics Letters (IML)* was identified as a "*high performer*" in the quarterly submission-to-publication reports for IEEE journals, released by the IEEE Technical Activities Board's Periodicals Committee. Thank you very much for those who selected *IML* to publish your valuable achievements. My congratulations to Massimiliano d'Aquino, Chief Editor of *IML*, and his team, for *IML*'s gain in value and visibility. I hope that readers will submit more papers to *IML*, as well as to the other Society journals. Learn more in the separate article by Massimiliano d'Aquino, in this issue of the Newsletter.

I am delighted to welcome Thomas Coughlin (Coughlin Associates), as an elected AdCom member of the IEEE Magnetics Society. He is appointed at an unusual month of the year to fill a recent vacancy. Accordingly, his term will run until

the end of December 2022.

I am pleased to announce that Jiayan Law (Universidad de Sevilla), has been appointed as the new Editor of the Society's Newsletter. Congratulations! I thank outgoing Newsletter Editor, Gareth Hatch (Strategic Materials Advisory), for his excellent service to the Society. Refer to the separate article by Tom Thomson in this issue of the Newsletter for details.

Students in Magnetism (SiM) is a new virtual 'home' for graduate students and early career researchers, to assist and maintain the organization of multiple activities, e.g., Around-the-Clock Around-the-Globe Magnetism Conference (AtC-AtG), chapter outreach activities and associated online events. The creation of SiM was approved during the April 2022 AdCom meeting.

My congratulations to May Inn Sim (National University of Singapore), María Salvador Fernández (Universidad de Oviedo), and Audre Lai (Cornell University), on their selection as student leaders of SiM.

My congratulations to Kai Liu and Shinji Yuasa for their new appointments as President and Secretary, respectively, of the **Commission on Magnetism (C9) of the International Union of Pure and Applied Physics (IUPAP)**. IUPAP C9 is a sister society of the IEEE Magnetics Society, established to promote the exchange of information and views among the members of the international scientific community in the general field of magnetism.

The Magnetics Society is now an Associate Member of IUPAP C9. Pallavi Dhagat, as the Past President of the Magnetics Society, will serve as our representative in 2022. Please refer to details elsewhere in this edition of the Newsletter.

The Conference Executive Committee (CEC) of the Magnetics Society is asking for proposals for the 2026 Intermag Conference to be held in the Europe region. Refer to the separate article by Rudi Schäfer in this issue of the newsletter for details.

As always, please feel free to reach out to me by e-mail with feedback and suggestions for our Society.

Masahiro Yamaguchi can be contacted via email:
masahiro.yamaguchi@ieee.org.

New Senior Members

The following members of the IEEE Magnetics Society were recently elevated to the grade of Senior Member:

June 2022: Indranil Bhattacharya and Koichi Karasawa.

For more information on elevation to Senior Member, visit the [IEEE Senior Member Grade](#) Web page.

New Editor for the IEEE Magnetics Society Newsletter

By Tom Thomson, Publications Committee Chair

I am delighted to welcome **Jiayan Law** (Universidad de Sevilla) as the new Editor of our Newsletter, effective 1 September 2022. In doing so, I must first extend heartfelt thanks to our retiring Editor, Gareth Hatch (Strategic Materials Advisory). Gareth has been Editor of the Newsletter since 2009, and in 2020 he was awarded the IEEE Magnetics Society Distinguished Service Award, where the citation captures Gareth's significant contribution very well: "*In recognition of his many years of editing and producing the Newsletter for the IEEE Magnetics Society, and in particular for transforming it into a modern and engaging communications vehicle that is available through multiple channels.*" During his tenure, Gareth has been responsible for the evolution of the newsletter into a modern and informative communication for Society members.

Jiayan Law obtained her PhD in Materials Science and Engineering from Nanyang Technological University in 2012 and before moving to Seville, held research positions at Nanyang Technological University in Singapore, Chalmers University of Technology in Sweden and IMDEA Nanoscience in Madrid, Spain. Recently, she has been awarded the Emergía fellowship by the Junta de Andalucía, Spain, for her research on functional high-entropy alloys optimized for energy efficiency applications. She has recently been an associate editor for AIP Advances for papers related to the MMM 2020 and 2022 conferences, special events program chair for MMM 2022 and will be a program co-chair for IEEE Nano-2024. We welcome Jiayan Law as our new Editor and look forward to her continuing to develop the Newsletter, for the benefit of Society members.

Associate Membership of the International Union of Pure and Applied Physics Commission on Magnetism (IUPAP C9)

By Masahiro Yamaguchi, President of the IEEE Magnetics Society

The IEEE Magnetics Society is now an Associate Member of the International Union of Pure and Applied Physics (IUPAP) Commission on Magnetism (C9). Pallavi Dhagat, the Past President of the IEEE Magnetics Society, will take on the role as the first representative through the end of 2022, to be succeeded by the next Past President.

The IUPAP C9 is a Sister Society of the IEEE Magnetics Society. It was established in 1957 to promote the exchange of information and views among the members of the international

scientific community in the general field of magnetism. This includes phenomena which result in the determination of magnetic interactions at the atomic level, magnetic properties of matter including reduced dimensionality systems (in collaboration with other commissions as appropriate), and technical applications of magnetic materials and generation of magnetic fields.

Kai Liu, President of the IUPAP C9, said *"There are increasingly more activities among all the major organizations in our magnetism community that would benefit from such coordination, from awards to major conferences, summer schools, outreach efforts, special initiatives, etc."* The Society will collaborate with IUPAP C9 for mutual benefit through all these activities.

Special Topic on "Spintronic Devices for Energy Efficient Computing" in *IEEE Journal on Exploratory Solid-State Computational Devices and Circuits (JxCDC)*

By Ron Goldfarb, Secretary-Treasurer of the IEEE Magnetics Society

JxCDC has announced a special topic on spintronic devices. Article submissions are invited on theory; design, synthesis, and characterization of materials and devices; benchmarking and testing of devices and systems; new applications; and algorithm and hardware co-design. The submission deadline is 5 September 2022. More information is available [here](#). The guest editor is Jian-Ping Wang (University of Minnesota).

JxCDC is an open-access journal co-sponsored by the Magnetics Society.

IEEE Magnetics Society Oral History Project Launches

Submitted by Liesl Folks, Steering Committee Member

Recently, the Administrative Committee decided that the Society should leverage the efforts of the IEEE History Center to collect and archive oral histories from prominent members of our international community of magneticians. In response, a small working committee was put together to steer the effort forward, including Cindi Dennis (NIST), Atsufumi Hirohata (University of York), Ron Goldfarb (NIST), Ikenna Nlebedim (Iowa State University), Alison Flatau (University of Maryland) and Liesl Folks (University of Arizona). Oral histories are considered by historians to be important primary source materials for creating historical narratives. This Society effort to

capture and record narratives from pioneers in our field is still in its early stages, but we are pleased to report that the first such oral history has recently been released in video format, and the transcript will shortly be added to the IEEE History Center Wiki, hosted by ETHW in Switzerland. For the first oral history, we were fortunate to have Prof. Hiroaki Muraoka interview Prof. Shunichi Iwasaki, the inventor of perpendicular magnetic recording. The video of that interview is now available for viewing on the Magnetics Society's [IEEE.tv channel](#) and is linked from the Society's website. We hope you take a moment to enjoy this reflection on how far we have come!

IEEE Magnetics Letters Recognized for Short Submission-to-Publication Times

By Massimiliano d'Aquino, Chief Editor, IEEE Magnetics Letters

The IEEE Technical Activities Board's Periodicals Committee releases quarterly submission-to-publication reports for IEEE journals. With its most recent report, covering the first quarter of 2022, it has begun to identify "high performers": journals in the first quartile for short times for both submission-to-first-decision and submission-to-publication.

IEEE Magnetics Letters (IML), for which I have the honor to serve as Chief Editor, was designated a high performer, with an average 3 weeks from submission to first decision and 6.8 weeks from submission to publication.

The committee noted, *"this information is only provided to showcase the best performing publications as an example of what is achievable. Speed of publication is consistently among the top two attributes of a publication that authors seek."*

This excellent result was possible thanks to the generous and hard work of the Editorial Review Board, our journal production manager, and our editorial assistant, who worked even harder than usual during the Covid-19 pandemic.

I am proud to be part of this wonderful team and I take this opportunity to publicly and heartily thank all those who contribute, and those who work every day, to maintain the high quality standards that the IEEE Magnetics Society pursues for its publications.

Established in 2010, IML publishes five-page, scholarly articles of substantial current interest covering the physics and engineering of magnetism, magnetic materials, applied magnetics, design and application of magnetic devices, bio-magnetics, magneto-electronics, and spin electronics.

IML is available on [IEEE Xplore](#). For further information, see the [IML webpage](#); articles can be submitted [here](#).

In Memory of Rex Harris (1939-2022)

Submitted by John Speight

Ivor Rex Harris (Rex) was born in Monmouthshire, Wales, in 1939. Both Rex and his elder brother Jack undertook their undergraduate studies at the Department of Metallurgy (now the School of Metallurgy and Materials) at the University of Birmingham. Jack had a distinguished career in nuclear engineering, whilst Rex, entering the Department at the age of 17, remained in academia all his life, graduating with his bachelor's degree in 1960, and obtaining his Ph.D. degree in 1964.

Rex spent the rest of his career linked to the Department of Metallurgy as a staff member, Professor of Metallurgy (1988), Head of Department (1996-2001) and ultimately becoming an Emeritus Professor in 2018. He held visiting professorships at IFW Dresden (Germany) and Josef Stefan Institute (Slovenia).

Rex was fortunate to start his career in the Department of Metallurgy at a time when it was enjoying a golden period of teaching and research. His early research extended the work of his supervisor, G.V. Raynor, who had laid the foundations of the modern theory of metallic alloys. With a series of research students, Rex applied the theory to alloys of the rare-earth group of metals, and created the Applied Alloy Chemistry Research Group, which he led from 1964 to 2005, and with which he remained involved until very recently.

Rex's earliest research interests led to new understanding of the alloying behaviour of cerium with the rare earths, and the interaction of hydrogen with metals, in particular palladium. Novel hydrogen-purification membranes based on palladium-yttrium alloys were developed in collaboration with Johnson-Matthey; the first of many fruitful industrial collaborations.

Always keen to see his research translated into practical applications, Rex recognised the scientific and technological importance of hydrogen-metal interactions and hydrogen-storage technologies – key aspects of today's green-energy revolution and the electrification of transport with fuel cells. In the early 1970s, Rex could be seen touring the Birmingham campus on a moped modified to run on hydrogen, complete with a hydrogen fuel tank strapped to his back. The Birmingham group became a centre of excellence in the development of novel alloys for the solid-state storage of hydrogen. Though heartened by the recent surge in interest in hydrogen, he often wished he was 20 years younger as "*all my professional life I've been waiting for the hydrogen bus.*"

Rex is best known for his work on permanent-magnet materials, a subject on which he published over 500 papers. The 1966 discovery of a new class of strong magnet alloys based on alloys of samarium and cobalt (SmCo_5) was particularly timely for the



Birmingham group, with its strong record on rare-earth metals. In 1976, Harris, Evans and Nyholm developed a method to break down Sm-Co type alloys into fine powders, using hydrogen in a process known as hydrogen decrepitation. This enabled the recovered Sm-Co powder to be used to manufacture recycled magnets. In the 1980s, this process was then applied to a new type of cast alloy, namely neodymium-iron-boron ($\text{Nd}_2\text{Fe}_{14}\text{B}$) and was subsequently commercialised worldwide in the production of sintered neodymium-iron-boron magnets.

Since 2000, Rex and his colleagues have been at the forefront of research into the recycling of neodymium-iron-boron magnets recovered from electronic waste and other magnet-containing scrap, using an adaptation of the hydrogen-decrepitation process. The process was granted a US patent in 2013, and is currently being commercialised across the EU. The process uses 80% less energy to create magnets when compared to virgin sources, and avoids all environmental and effluent issues.

During the 1980s-1990s, Rex played a central role in the Concerted European Action on Magnets (CEAM) project, where he led the research strand bringing together groups across Europe, to advance processing of permanent-magnet materials. The Birmingham group also hosted the International Rare-Earth Permanent Magnet (REPM) Workshop in 1994. In 2014, Rex was awarded a Lifetime Achievement Award for his ground-breaking work on the processing of permanent magnets, by the REPM International Committee.

Throughout his career Rex was an enthusiastic promoter of clean technologies, sustainable manufacturing processes and hydrogen technology, as key enablers in the fight against global warming. All of these passions came together in his canal boat designed to demonstrate how hydrogen can provide clean and practical electrical transport. The boat took members of the

public and visiting dignitaries from the Edgbaston campus to Birmingham City Centre.

Rex was previously Chairman of the UK Magnetics Society (1998-1990), President of the Magnetics Panel of the Institute of Physics (1999) and Chairman of the Magnetism and Magnetics Materials initiative (1992-94). He was elected as a Fellow of the Royal Academy of Engineering (1994). His brother Jack had been elected a Fellow in 1987, and they became the only two brothers to have received this honour.

Rex was a modest man who carried his distinction easily yet with deep commitments to teaching, research, friends and family. Many of his 150 research students now occupy prominent positions in many magnet-related organisations worldwide. True to his working-class roots he was a constant champion of human rights and a life-long supporter of the Labour Party. Rex's Welsh heritage gave him a great love of folk music and singing; he was a deft performer on the harmonica, always present in his top jacket pocket.

Rex married Vera Hipkiss in 1965. Sadly she pre-deceased him in December 2021 after a short illness, leaving their daughter Margaret and two sons, David and Christopher.

Ivor Rex Harris, materials scientist, was born on 27 July 1939. He died on 2 April 2022, aged 82.

Request for Proposals for the 2026 IEEE International Magnetics Conference (Intermag)

Submitted by Rudi Schaefer, Conference Executive Committee Chair

The Conference Executive Committee (CEC) of the IEEE Magnetics Society is asking for proposals for the 2026 Intermag Conference to be held in the Europe region.

Intermag is the flagship annual magnetics conference sponsored by the Society. This is the premier conference on all aspects of pure and applied magnetism and is typically attended by some 1,300-1,500 Ph.D.s and Ph.D. candidates in both engineering and physics from all over the world. This conference has been in existence for more than sixty years, and since 2016 the approved stand-alone Intermag regional site rotation is Americas–Europe–Asia/Pacific.

Every third year Intermag is held together with the Conference on Magnetism and Magnetic Materials (MMM) in the USA as a Joint Conference. Recent host cities in Europe were Amsterdam (2002), Madrid (2008), Dresden (2014), Dublin (2017) and Lyon (2021, converted to fully virtual).

For further information, please get in contact with:

Rudi Schaefer (CEC chair) via r.schaefer@ifw-dresden.de or Stephane Mangin (CEC regional liaison for Europe) via stephane.mangin@univ-lorraine.fr.

Workshop on Launching into Leadership for Women in Magnetism

Submitted by Pallavi Dhagat, Women in Magnetism Group

The IEEE Magnetics Society is pleased to announce a virtual workshop on leadership development skills for women in magnetism. The workshop will be conducted by **COACH**, an organization at the University of Oregon with over two decades of history in helping women in STEM fields to achieve their career aspirations.

The workshop is designed for women in the middle stages of their professional careers (that is, 12 or more years since completing their doctoral or equivalent training) and will consist of three sessions as follows:

- **Essentials for Career Advancement** (Tuesday, 4 October 2022: 9:00am – 11:00am US EDT; 3pm – 5pm CET; 10pm – 12pm JST): includes communication skills, self-advocacy, networking and mentorship.
- **The Art of Effective Negotiation** (Tuesday, 11 October 2022: 8:00am – 10:00am CET; 3pm – 5pm JST): includes importance of negotiation, identification of negotiables and finding one's negotiation style.
- **Inclusive Leadership** (Tuesday, 18 October 2022: 9:00am – 11:00am US EDT; 3pm – 5pm CET; 10pm – 12pm JST): includes concepts of leadership, leadership qualities that lead to success and failure and discusses effective leadership styles for women in different cultures.

The cost of the workshop is fully covered by the IEEE Magnetics Society. Participation is open to all women members. To allow for fruitful interactions and cohort-building, each session is limited to 15 participants on a first-come, first-served basis. The timing of the sessions will enable members worldwide to participate in at least one session. Completion of each session will be acknowledged with a joint certificate from COACH and the IEEE Magnetics Society. **To participate, please complete the registration form [here](#) no later than 15 September 2022, 12pm US EDT.** Registration is required for participation. The meeting links will be emailed to the participants a few days after registration closes.

This workshop is a pilot initiative. If successful, we hope to expand the audience and topics in future workshops. Our goal is that, in addition to empowering women with valuable

leadership skills, these workshops will help build lifelong cohorts that participants can rely on for support and camaraderie.

Submitted by Kristen Buchanan, Sangita Kalarickal and Pallavi Dhagat, on behalf of the IEEE Magnetics Society's Women in Magnetism group.

The Students Workshop on Magnetism in Spain

Submitted by José Miguel García-Martín, Spain Chapter Chair

The Students Workshop on Magnetism: From Fundamentals to Applications, organized by the Magnetism Spanish Club (CEMAG) with the sponsorship of the IEEE Magnetic Society, was successfully held during 6-10 June 2022, in Llanes, Asturias, a beautiful place in northern Spain. A total of 38 students and young postdocs participated in the Workshop, with 25% from overseas institutions in Italy, USA, Thailand and Chile.

Attendees received more than 20 hours of classes on various aspects of magnetism such as the manufacture of magnetic materials, their fundamental properties, advanced characterization and simulation techniques and their current applications in energy, information technologies and medicine.

Thanks to the generous financial support of the IEEE Magnetics Educational Committee, 15 attendees received a scholarship that covered registration and accommodation.

The classes were given by some 20 prestigious speakers, including Society Secretary-Treasurer Ron Goldfarb (National Institute of Standards and Technology), former President of the Society Manuel Vázquez (Spanish Research Council), Pilar Marín (Institute of Applied Magnetism), and Eugenio Coronado (European Institute of Molecular Magnetism), among others.

The participants complemented their training with seminars on

how to write attractive scientific articles and to improve their oral communication, and these latter skills were put into practice in afternoon sessions where they gave short talks presenting their theses or ongoing projects, and their preliminary results. Moreover, round tables were held; one on popular science and the other on women in science. It should be noted that women represented 40% of both attendees and speakers.

It is also worth noting the participation of representatives from the industrial sector, in particular from **IMA Company**, a leader in the manufacture of magnets and electromagnets. Lastly, we want to mention that the workshop was covered in the **regional press**.

Submitted by the Organizing Committee of the Workshop, composed of Montserrat Rivas (University of Oviedo), Irene Lucas (University of Zaragoza), Rafael Pérez (ICMM-CSIC) and José Miguel García-Martín (IMN-CSIC).

Conference Calendar

By Gareth Hatch, Outgoing Newsletter Editor

12th International Conference on Magnetic and Superconducting Materials (MSM22)

28 August - 2 September 2022 - Duisburg, Germany.

33rd Magnetic Recording Conference (TMRC 2022)

29-31 August 2022 - Milpitas, California, USA.

IEEE Around-the-Clock Around-the-Globe Magnetics Conference (AtC-AtG 2022)

31 August 2022 - online.

Trends in Magnetism 2022 (TMAG 2022)

4-9 September 2022 - Venice, Italy.

The European School on Magnetism 2022 (ESM2022)

11-23 September 2022 - Saabrücken, Germany.

5th Ultrafast Magnetism Conference (UMC 2022)

12-16 September 2022 - Nancy, France.

Spin Dynamics at the Nanoscale and its Applications: A Symposium in Honor of Andy Kent

23-24 September 2022 - New York, New York, USA.

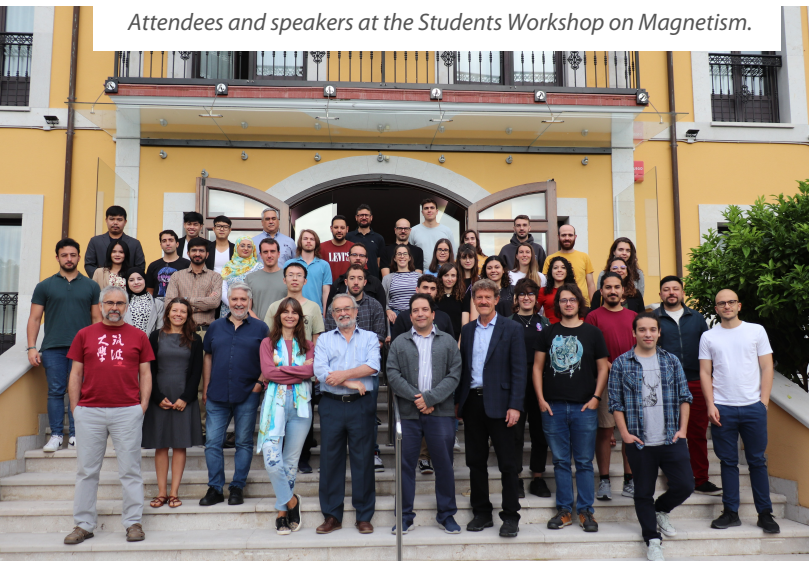
International Conference on Fine Particle Magnetism (ICFPM 2022)

16-21 October 2022 - Yokohama, Japan.

The Applied Superconductivity Conference (ASC 2022)

23-28 October 2022 - Honolulu, Hawaii, USA.

Attendees and speakers at the Students Workshop on Magnetism.



67th Annual Conference on Magnetism and Magnetic Materials (MMM 2022)

31 October - 4 November 2022 - Minneapolis, Minnesota, USA.

4th International Conference IEEE Advances in Magnetism (AIM2023)

15-18 January 2023 - Moena, Italy.

INTERMAG 2023

15-19 May 2023 - Sendai, Japan.

24th International Conference on the Computation of Electromagnetic Fields (COMPUMAG 2023)

22-26 January 2023 - Kypota, Japan.

Magnetic Frontiers: Quantum Technology (Magnetic Frontiers 2023)

6-9 June 2023 - New York, New York, USA.

To list your conference in the Newsletter Conference Calendar in a future edition, please contact the **Newsletter Editor**.

About the Newsletter

The purpose of the Newsletter of the IEEE Magnetics Society is to publicize activities, conferences, workshops and other information of interest to Society members and other people in the area of applied magnetism.

Contributions are solicited from Society members, Officers & other volunteers, conference organizers, local chapters, and other individuals with relevant material. The Newsletter is published quarterly on the Society webpage at: <http://www.ieemagnetics.org>

Please send all contributions via email to the incoming Newsletter Editor, Jiayan Law, at: jylaw@ieee.org

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