Association of Chinese Professors in Manitoba

曼省華裔教授協會

In this issue of the ACPMB Newsletter

Website: http://acpmb.org/
Email: acpmb.canada@gmail.com

Greetings from the President

Dear ACPMB Members,

龍年大吉！Happy Chinese New Year！

In the past year, our board have ventured several activities with members. In particular, Dr. Ruey Su has successfully organized “Coffee Time with Professors” for our next generation, covering topics such as genetics, agriculture, leadership, education, immune response against virus infections, and social diversity/equity. The seminars and lab visits were well received among the student and parent participants in our community. I am also very happy to report that we have finished setting up the ACPMB Scholarship Fund for undergraduate students. This scholarship will help cultivate leadership for promoting Chinese culture in our community. The first named scholarship fund will be generously donated by Mr. Xue-Yong Zhang. Moreover, we have continued our dialogue with honorable visitors from the Education Council office and/or Embassy of China and voiced our suggestions and concerns regarding travel and exchange. Last but not the least, we continue to welcome members to suggest activities for the board to discuss/organize in the coming year.

These activities will not be possible without the dedicated service by our members, particularly current board members: Dr. Qiuyan Yuan (President-Elect), Dr. Liqun Wang (Past-President), Dr. Chengbo Yang (Secretary), Dr. Jieying Chen (Treasurer), Dr. Peng Liu (Academic exchange), Dr. Hai Luo (Community), and Dr. Guozhen Zhu (Newsletter). We highly appreciate their service and thank them whole-heartedly. And again, I sincerely invite our junior professors to consider joining the board later this year.

恭祝各位在龍年裡健康快樂！

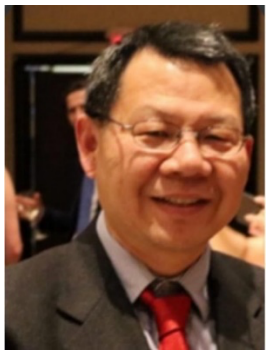
Best wishes for all our members and families in the Year of Dragon!

Sincerely,

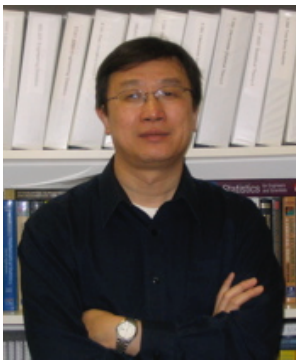
Xie Jiuyong (謝久永)

President (2022-24)

Current Board Members



Jiuyong Xie
President



Liqun Wang
Past President

Qiuyan Yuan
President-Elect
Website and Events

Jieying Chen
Treasurer

Hai Luo
Community Outreach

Peng Liu
Academic Exchange

Chengbo Yang
Secretary and Membership

Guozhen Zhu
Newsletter

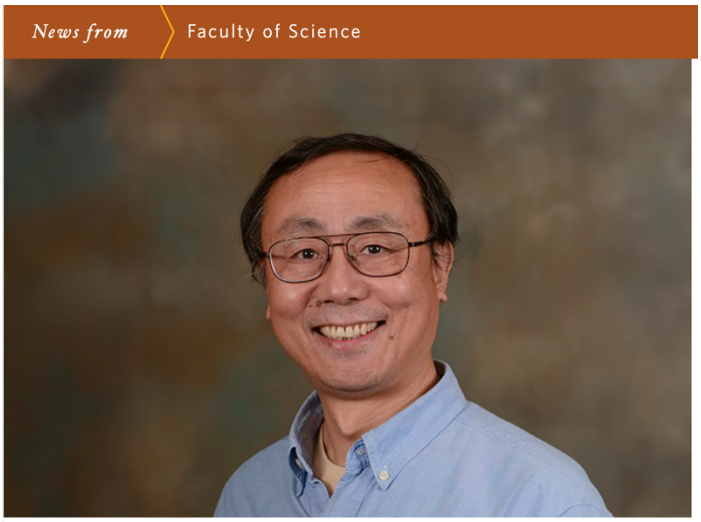
Member Achievements: Accomplishments we're proud of from 2024

Congrulations to Dr. Ying Chen:

Congrulations to Dr. Ying Chen for being named a fellow of The American Society of Agricultural and Biological Engineers as well as an 2024 EIC Fellow (FEIC) for her “excellence in engineering and services to the profession and to society”.

Dr. Ying Chen received her Ph.D degree in Agricultural Engineering at McGill University in Canada. In 1997, she joined the Department of Biosystems Engineering, University of Manitoba, Canada as a faculty member. Currently, she holds a Professor position and Associate Head (Graduate Program) in the Department. Her main research area is conservation agriculture focusing on agricultural machinery and soil dynamics. At University of Manitoba, she has developed a strong research program, and established the Machinery and Soil Dynamic Lab. As a principal investigator, she has received numerous research grants from the National Science Engineering Research Council of Canada (NSERC) and other funding agencies. She has trained about 40 graduate students, 10 post-doctoral fellows, 10 visiting scholars, and 50 other highly qualified personnel. Dr. Chen is author or coauthor of over 120 peer-reviewed articles. Beside teaching and research, she has taken some key roles in engineering professional organizations. She served as the President of the CSBE during 2021-2022, Engineering Program Accreditation Team of Engineers Canada. Board of Trustees of American Society for Agricultural & Biological Engineers (ASABE), and mentor for Women in Engineering & Geoscience Mentorship Program. Dr. Chen has received numerous awards, including the CSBE Glenn Downing Award for her contributions to engineering for agricultural, food and biological systems, and an award for Excellence in Engineering Education from the University of Manitoba. Dr. Chen became the Fellow of CSBE in 2017, and the Fellow of ASABE in 2023!

Congrulations to Dr. Can-Ming Hu :



On being appointed as a Distinguished Professor – Can-Ming Hu's journey in science

Congrulations to Dr. Can-Ming Hu for being appointed as a Distinguished Professor. The University of Manitoba bestows the title of "Distinguished Professor" upon academic faculty who have showcased exceptional excellence in research, scholarly endeavors, creative contributions, professional service and teaching.

Details in the following links:
https://news.umanitoba.ca/on-being-appointed-as-a-distinguished-professor

Q: Could you please talk about the key accomplishments and contributions in your field that led to your appointment as a Distinguished Professor? What have you been particularly proud of during your career?

A: First and foremost, I would like to express my profound gratitude for being appointed as a Distinguished Professor. I am truly humbled by this honor and deeply appreciative of Dean Brian Mark and his office for considering me worthy of this nomination. It comes as a delightful surprise to me that the nomination was successful, as I view myself as just one of the many professors at this university who have a genuine passion for research. We all strive to make distinct contributions in our unique ways, making it challenging to make direct comparisons.

Nonetheless, I am genuinely thrilled that the esteemed individuals serving on the Selection Committee recognize the value of the work carried out by my research group. I would like to dedicate this prestigious honor to the dedicated members of my group, my invaluable collaborators and all those who have offered their unwavering encouragement and support.

As a condensed matter physicist specializing in magnetism since 2005, our group has achieved significant milestones over the past decade. Around 2012, driven by curiosity and the willingness to take calculated risks despite limited resources, I embarked on a journey to explore new frontiers in magnetism, specifically focusing on the strong coupling between microwaves and magnetic materials. In physics, the word "strong coupling" means energy dynamically oscillates between different systems over multiple cycles. This not only held immense scientific interest but also promised significant implications for the advancement of information and communication technologies. Notably, at that time, the exploration of this theme in the magnetism community was akin to uncharted territory. (One pioneer, Prof. Joe Artman at MIT, conducted a strong coupling experiment back in 1953. However, his pioneering work remained largely unnoticed until one of my students stumbled upon it in 2021 and brought it back into the spotlight.)

Also unbeknownst to me in 2012, simultaneously, three other world-leading groups, well-funded at institutions like TU Munich, the University of Tokyo and Yale University, were embarking on similar investigations. A few years later, our independent discoveries, along with those from distinguished institutions, were published in the prestigious journal Physical Review Letters. These achievements garnered global attention and gave rise to what is now known as “cavity spintronics” or “cavity magnonics.”

Subsequently, this field has experienced exponential growth, evolving into an exciting frontier that bridges some of the most cutting-edge disciplines in modern physics, including quantum information and quantum optics, with one of the oldest sciences known to humanity—magnetism. This daring venture would not have been feasible without the dedication and talent of our courageous students. In 2015, UM News showcased two exceptionally bright individuals from our team: Dr. Lihui Bai, who has since become a full professor at Shandong University and Dr. Michael Harder, now an instructor at the British Columbia Institute of Technology. Their collaborative efforts resulted in our paper published in 2015, which has since been cited over 400 times. That news article also elaborates on the significance and impact of our research in advancing the field of cavity spintronics.

Since then, our research group has continued to flourish, nurturing a cadre of brilliant postdoctoral fellows and students. Notable among them are Dr. Yipu Wang, currently a full professor at Zhejiang University, Dr. Bimu Yao, now an associate professor at the Chinese Academy of Sciences, Dr. Yongsheng Gui, a research associate of my group and Ms. Ying Yang, a promising PhD student set to graduate this fall. Notably, half a year before her graduation, she received an enticing postdoctoral fellowship offer from Argonne National Laboratory.

These exceptional individuals have played pivotal roles in pushing the boundaries of our field even further. Several of their remarkable contributions have been featured by UMToday. See “The University of Manitoba interacts with world-renowned researchers” and “UM researchers create ‘Romulan Cloaking Device’“.

Throughout my tenure at UofM, one of my most fulfilling experiences has been the ability to attract and mentor a host of exceptionally talented young researchers and students. Many of these individuals have gone on to establish successful independent careers in academia, which I take immense pride in.

In my professional journey, I was honored to receive the IEEE Magnetics Society Distinguished Lecturer Award in 2018. Over the course of 12 months and by invitation from some of the world’s most renowned universities, including Yale, MIT, Johns Hopkins, Columbia, the University of Paris-Saclay, TU Munich, Peking, Fudan, HKUST and many more, I had the privilege of delivering 53 lectures on Cavity Spintronics across the globe. This opportunity not only allowed me to disseminate knowledge but in essence, I became an ambassador for the University of Manitoba that year, effectively showcasing the remarkable capabilities of our students and research endeavors. For those who may not have been aware of the exceptional potential of Manitoba students before my visits, they undoubtedly left with a positive impression of the caliber of talent we cultivate.

ACPMB Activities

Chinese Mid-Autumn Festival Celebration

On Jan 21st 2023, the ACPMB organized the Chinese New Year dinner party at Riverview Garden Restaurant. On Sep 30th 2023, the ACPMB organized Annual General Assembly Meeting and celebration of the traditional Chinese Mid-Autumn Festival at Southland Restaurant. The attendees all enjoyed the presentations and networking very much over the party.

Saturday Seminar Series for Youth

During 2023, ACPMB organized a series of scientific seminar for youth every two weeks. Dr. Ruey Su, on behalf of ACPMB, invited researchers from different fields to deliver popular science lectures to young kids. ACPMB aimed to familarize our next generation with popular science and connect them with researchers through the lecture series.

ACPMB Scholarship Fund

In 2023, ACPMB launched the ACPMB Scholarship Fund, administered by The Winnipeg Foundation. We aim to attract donations to recognize outstanding individuals attending a university within Manitoba. If your donation reaches $20k within 5 years or you plan to do so, please inform the ACPMB board, and we can offer a named scholarship in your honor. The inaugural scholarship is named the Xueyong Zhang Scholarship, generously contributed by Mr. Xueyong Zhang.

张学勇奖学金. By 张学勇

我很高兴在曼省华裔教授协会的组织和号召下，发起成立【张学勇奖学金】，用于资助和鼓励优秀的曼省华人学生同胞，让他们在海外求学的路上得助一把力。感谢教授协会的倡议和付出。

我 30 年前入读曼尼托巴大学，研究生毕业于曼大地理系，可以说曼大是我在加拿大生活的起点，在曼大接受的教育为我的后半生奠定了坚实的基础，后在曼省政府石油地质矿产资源厅工作 20 年。现在能为后代华人学子提供力所能及的帮助，自感义不容辞。

虽然曼大毕业已经 20 多年，但一直与曼大有着多种联系，我目前是曼大商学院基金会的 Associate。

我经营了二十三年的留学移民公司，也是曼大中国学生学者联谊会的多年长期合作伙伴，为曼大的华人学子们提供了力所能及的帮助。

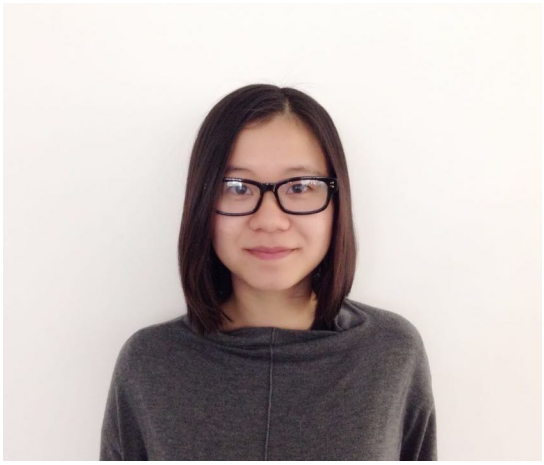
此外，我在缅（曼）省中文学院也多年设立有【张学勇奖学金】，让在这里长大的华人子弟和当地加拿大人有机会学习中华文化。我相信对中华文化的了解和认知是必修课，对海外华人子弟的健康成长会有很大的人生价值。

多年来，我有幸被聘为中国侨联和河北省侨联的海外委员，参与了中国政府主导的推动和促进中加文化教育经济交流的一些项目。希望曼省华人同胞热爱现居国加拿大，也积极参与祖国中国的文化经济人文的交流，在大家的共同努力下，让曼省华人社区发展更加强大。

祝教授朋友们
龙年吉祥，福暖四季，万事如意！

Here is the web address for donation to the ACPMB Scholarship Fund for the newsletter.
https://www.mycharitytools.com/gift/wpgfdn/donate?fund=5892

New ACPMB Members



Dr. Qian Liu

Assistant Professor
Department of Applied Computer Science
University of Winnipeg
Winnipeg, MB, Canada
Email: qi.liu@uwinnipeg.ca

Dr. Qian Liu starts her tenure-track Assistant Professor position in the Department of Applied Computer Science at the University of Winnipeg in September 2023. Her educational background encompasses a diverse array of disciplines, including applied computer science, statistics, bioinformatics, computational biology, and medical imaging. She completed her undergraduate studies at Sichuan University, West China Medical School, majoring in medical imaging from 2007 to 2011. Subsequently, she entered the healthcare industry, working as a medical imaging application engineer from 2011 to 2016. After gaining six years of industry experience, she returned to university in 2017 to pursue further academic studies. She obtained her MSc and PhD in 2019 and 2023, respectively, at the University of Manitoba, with the supervision of Dr. Pingzhao Hu. Following a short post-doctoral training period at Western University, she secured her current position at the University of Winnipeg.

During her Post-doc, PhD, and MSc, Dr. Liu's research was primarily focused on AI/machine learning in health data science. Her work involved analyzing large and complex datasets, including genomics, imaging, and clinical data, to identify patterns and predictors of disease outcomes. Her key achievements include 20 peer-reviewed articles (12 first or co-first author publications) in high-impact computational and genomic journals—such as Biomarker Research, Journal of Biomedical Informatics, and Computational and Structural Biotechnology Journal. Dr. Qian Liu has productive and solid collaborative experience with researchers in diverse nature, engineering, and health fields. Due to her significant contributions in these collaborative studies, she was co-authored on several published papers in high-impact journals, such as parallelized multidimensional analytics for disease regulation study (Nature Communications), machine learning-based analyses for cancer metabolite-protein physical interaction subnetworks (Molecular & Cellular Proteomics), deep learning-based breast cancer mutated subnetwork identification (Scientific Report), and deep learning-based rheumatoid arthritis remission prediction (Frontiers in Immunology), etc.

Dr. Liu has significant experience in writing grant proposals for fellowship and scholarship competitions. She is a co-applicant in one funded CIHR Project Grant and one funded Arthritis Society Canada Ignite Innovation Grant. She has submitted this year's NSERC Discovery Grant and NSERC Research Tool and Instrument Grant. Currently, she is planning to apply for next spring's Research Manitoba New Investigator Operating Grant. She has received 19 fellowships or scholarships,

including the prestigious CIHR HostSeq Post-doc Fellowship, CANSSI Ontario STAGE HostSeq Fellowship, Research Manitoba PhD Health Research Studentship, Women's Health Research Foundation of Canada Graduate Scholarship, etc. Her high academic achievements and personal leadership qualities were recognized by the Winnipeg Foundation Martha Donovan Leadership Award, Caroline A. Cope Award for Excellence in Oncology, and IEEE 7th International Conference on Bioinformatics and Computational Biology Best Oral Presentation Award.

Dr. Liu is exploring potential collaboration opportunities as co-PIs and co-student supervisors in various research areas.

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Art Gallery by ACPMB Members

摘采温城一片秋，淡黄青绿落枝头。
风云变幻知多少， 惟有初心画里留。

画：柳勘质 ； 诗：杨熙

加拿大草原三省咏

曼尼托巴省

北美中心南北长，当年铁路最繁忙。
法裔东来凭双桨，温城兴业占一方。
白熊历历丘吉尔，金元灿灿造币厂。
和平花园两国建，美丽草原五谷香。
友好省情传内外，维尼故事天下扬。
独秀人权博物馆，双交河道溜冰场。
冰球冰壶名世界，芭蕾交响雅韵长。
声名遐迩红河谷，色彩斑斓北极光。
五洲风情民风节，百族同乐日夜狂。
《长城艺术》霓裳舞，《枫华之声》美名扬。

萨省

一马平川向太阳，三省草原正中央。
多元共荣新旧客，两城争艳南北方。
土肥水丰百宝地，春种秋收大粮仓。
红颜浆果天然美，黄色菜花自来香。
大豆结荚粒饱满，小麦抽穗灌浆长。
油气奔腾金钱滚，矿产丰富底气强。
生物科技大发展，人文教育有华章。

人工湖水波荡漾，原始沙滩景流光。
茂林蓬勃长千里，牧歌欢快响四方。
浸泡泉汤穆斯镇，不问何处温柔乡。

阿尔伯塔省

幅员辽阔加西地，人人富庶甲一方。
石油储量惊天下，燃气资源难度量。
历史悠久爱民镇，新风荡漾卡尔庄。
加航雄鹰飞四海，五环盛会集万方。
山川平原交相映，土著移民共荣光。
湖泊五色水漫漫，温泉四溢暖洋洋。
夏来望眼水帘美，冬至健身雪道长。
落基山脉冰川过，三伏暑气化冰凉。
西部风情牛仔节，斗牛更品牛肉香。
啤酒生鲜来一醉，吾心安处是故乡。

作者：杨熙