



Foreword by the Chairman



In a research trip this summer, I visited Cornell University Waterloo and University. There I was pleasantly surprised to see many former and current students of our Department. In Cornell, three alumni are studying the Ph.D. In Waterloo, there are ten people altogether — exchange students, postgraduates and postdoctorates, and last but not least, a faculty member, Professor Ng Che-Tat, who was my classmate in the CUHK decades ago.

Is it mere coincidence that I encountered so many familiar faces in Cornell and Waterloo? Certainly not, for this, let us trace back to the programme known as Summer Undergraduate Research Experience (SURE) which started eight years ago. Soon after initiating this programme, we sent our students to Cornell to join their REU (Research Undergraduate Experience), a national summer programme of mathematics in the US. It only took a short time for our programme to gain momentum. As more students became interested, we made arrangements with more institutions to cater for them, including Waterloo which also hosts a Canadian version of the REU. Nowadays, we place about fifteen such students every summer, and it is encouraging that almost all of them continue to graduate studies. They further their studies in many of the prestigious universities, and in fact some of them have already completed the Ph. D. and become faculties. I should add that for many years the funding for SURE comes from Mr. Li Sze-Lim, one of our alumni, to whose generosity we owe our heartfelt thanks.

In the previous issues, we have reported many success stories of our graduates in academia. Just as Mr. Li has become an outstanding entrepreneur subsequently, some of our graduates are involving enthusiastically in sectors apparently not related to mathematics. In this issue, we are grateful to receive two contributions from two such alumni, one a concert pianist, the other an NGO worker in Cameroon, both reflecting on their mindscapes in one or another way. Both the rendezvous with the SURE alumni and the stories of the two alumni mentioned encouraged me to look ahead at the coming first batch of 3-3-4 entrants. Starting next summer, many future graduates will enter the mathematics programme via more diversified channels. It is high time our department re-think our courses in the hope that most future students will receive the best possible education both in breadth and profundity.

Eight years ago, we launched the SURE — it bore fruit in many splendid ways. Let us hope with enthusiasm that eight years from 2012, the same will be said of our new curriculum.

Lau Ka Sing

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The Department and the Institute of Mathematical Sciences were honoured to host a colloquium talk by Shaw Prize Laureate **Prof. Demetrios Christodoulou** (ETH Zürich) on 30 September 2011. Prof. Christodoulou and **Prof. Richard S Hamilton** (Columbia) were awarded the 2011 Shaw Prize in Mathematical Sciences.

Prof. Demetrios Christodoulou is a physicist turned mathematician. He was a Greek child prodigy, who did his Ph.D. under one of the most well-known physicists in the 20th century, J. A. Wheeler. Prof. Christodoulou works in the theory of general relativity and has made significant contribution to that field. At present, Prof. Christodoulou is teaching at the renowned ETH in Zürich, Switzerland, the university in which A. Einstein once studied.



Prof. Richard S Hamilton has obtained his Ph.D. under R. Gunning in Princeton. Since the 80s (or even earlier), Prof. Hamilton has been conceiving of proving the Poincare Conjecture through the heat equation method. Over the past decades, he has incessantly worked on this problem. He has laid down most of the foundational works for Perelman's proof of the Geometrization Conjecture.

Our Professors Receive Awards





Prof. WEI Juncheng, Professor of Mathematics, was awarded the 2010 Morningside Silver Medal of Mathematics for his contributions in the study of semi-linear elliptic equations. [*Photo 2*] Prof.WEI also received from the Ministry of Education a first-class award for the research project 'Concentration Phenomena in Nonlinear Elliptic Equations and Systems' in the 2010 Higher Education Outstanding Scientific Research Output Awards (Science and Technology) in the category of natural sciences. Prof. Joseph J. Y. SUNG, Vice-Chancellor of the CUHK, received the same award for another significant research project. [*Photo 1*: Prof. WEI (left) and Prof. SUNG (middle)]



Prof. LEUNG Nai-chung Conan of our Department and the Institute of Mathematical Sciences was awarded the 2010 Chern Prize for his significant work in the study of mirror symmetry and quantum cohomology. [*Photo 3*]

中大膺數學研究最出色亞洲大學



☆ 大獲《泰晤士報高等教育》(Times Higher Education)評選 為全球五十所數學研究最出色大學之一。《泰晤士報高 等教育》與它的數據供應商湯森路透,根據研究論文的引用影 響力評選全球最佳的數學研究機構,中大名列全球第十五。 (轉載自中大通訊第380期)

有關排名詳情請瀏覽:

http://www.timeshighereducation.co.uk/story.asp?storycode=416399#.TIHz400ONMo.facebook

<u>334 」・新學制・新里程</u>



2012年開始,有志修讀數學的中學生,可考慮以下四個課程。 其中兩個為數學系開辦,另外兩個則分別與工程學院、教育學 院合辦。這些課程各有特色,同學可以選擇適合自己的課程,開展豐富的大學生活。然 而,無論選讀那一個課程,同學都必須具備良好的數學根底。

數學精研是為希望學習較深入數學理論或有志從事數學研究的同學而設,特別適合計 劃升學深造的同學。進讀此課程之同學將較早修畢基礎科目,而預留充裕時間修讀較多

高等科目,為將來從事學術研究打好基礎。同學畢業時擁有廣闊而深入的數 學知識,能勝任對數學知識及能力要求較強的工作。

理學院大類招生是為希望涉獵較廣泛知識的同學而設。課程具高度之彈 性,同學於第一年修畢涵蓋多門科學知識的基礎課程後,可於第二年選擇主 修數學。此後,同學可按興趣及專長,修讀數學各科,既有機會深入鑽研數 學理論,又可接觸數學的多元應用。由於本課程不設主修學科人數上限,所 以同學在選擇上具更大的自由。此課程設有機制讓同學選讀跨學科知識,使 同學掌握更多不同學科的關係及相互應用。



數學與訊息工程學是與信息工程學系合辦的課程,為對數學及信息工程學兩方面均有興趣的同學而設,內容包括兩個學 科的學問,互相補充。畢業後同學可選擇從事與數學或信息工程有關的工作,例如財經及銀行業務上作計量分析、資訊處 理及網絡系統、保安防護及系統管理。同學亦可繼續升學深造,從事學術研究工作。進讀此課程有以下兩個途徑。一:報 讀並完成第一年「數學精研」課程後,於第二年轉修「數學與信息工程學」。二:報讀並完成第一年「工程學院大類招 生」課程後,於第二年選擇主修「數學與信息工程學」。

數學與數學教育是中文大學教育學院開辦的課程,而數學系參與提供數學的訓練。課程為有志投身教育而對數學有興趣 的同學而設。此為五年制課程,並涵蓋了等同教育文憑的資格。課程有嚴格的數學要求,同學將與數學主修生一同修讀數 學科目,學習純正的數學知識。有興趣的同學,須在報讀志願中直接選擇此課程。



給中學生的一些提示

大學裏不少課程,都需要或多或少的數學基礎,同學必須做好準備。一般 來說,若打算主修物理、工程、計量金融、精算、風險管理、財務或經濟 等課程,中學文憑較適宜修讀數學Module 2,對入讀及修習該等科目均有裨 益。至於其他的商科或社會科學、醫學或生物科學,甚至部份文科,數學 訓練都有正面影響,數學Module 1可說是少不了的。

收生詳情,請參閱以下網址內容: http://www5.cuhk.edu.hk/oafa/oafa_media/article/jupas/pgm-add-requ-4y-e.pdf Welcome New Professors

The Department is glad to see yet two young faculties joining our taskforce this summer, bringing freshness and new perspectives. The following interviews attempt to open the window to their thoughts.

Prof. LEE Woon Yin read for his Ph.D in the University of Toronto and did post-doctoral studies in the University of California, Berkeley. He studied optimal transportation and control theory.

Could you share your fields of research with us?

'My research focuses on the theory of optimal transportation. It starts from Monge's problem of moving one mass from one place to another in the most efficient way. In the last two decades, it became known that this



simple problem is connected to different areas of mathematics, such as geometric inequalities, Riemannian geometry, Ricci flow and nonlinear diffusion equations.



Another research area that I am working on is called subriemannian geometry and optimal control. Subriemannian manifolds are model spaces of objects which roll and slide without slipping. Simple examples include snooker ball rolling and ice skating. More complex phenomenon like the behaviour of a charged particle in a magnetic field can also be described using subriemannian geometry.'

What difficulties do you encounter in studying optimal transportation?

'I try to understand subriemannian geometry from the perspective of optimal transportation. Compared with classical Riemannian spaces, subriemannian spaces are usually more singular and have more complicated structures. Very often, a basic, simple result in Riemannian geometry may have a more sophisticated analogue in the subriemannian situation.'



Prof. CHAN Kwok Wai read for his Ph. D. in the CUHK and did post-doctoral studies in Harvard University, the Institut des Hautes Études Scientifique (IHÉS) and Tokyo University respectively. He works on string theory and mirror symmetry.

Could you share your fields of research with us?

'I am doing research on mirror symmetry. It is related to string theory in physics. As we know, there are conflicts between quantum mechanics and general relativity. String theory aims to eliminate the conflicts between these two fundamental physical theories. However, string theory is still being developed in a theoretical way; there are currently no physical experiments to test this theory. So, string theory is still conjectural: it assumes the physical world to be not four-dimensional, but ten. This is an interesting feature.'





Oh, apart from the four dimensions we know, what are the other six dimensions?

'The other six dimensions should be a Calabi-Yau manifold. This leads to the discovery of mirror symmetry. If we take two topologically different Calabi-Yau manifolds, sometimes they turn out to produce the same physical world. This phenomenon implies that there are many intricate geometric relations between the two Calabi-Yau manifolds.'

What difficulties do you encounter in studying string theory and mirror symmetry?

'The main difficulty lies in the fact that string theory is a physical theory. Physicists are asking us to develop a new kind of geometry that can suit their needs. We have to unlock the mathematics from the

physics, in order to figure out the secret geometry behind string theory and to lay out its mathematical foundation. Although physicists and mathematicians are always interacting closely with each other, we are in fact using two rather different languages. It is not easy for us to communicate with each other. For example, it takes me much more time to read a physics paper than a math one. However, mirror symmetry is very interesting because it is very mysterious from the mathematical viewpoint. It suggests a way to understand physics which is 'revolutionary'— through both algebra and geometry.'





伍盛中先生以一級榮譽學位(2000)畢業於中大數學 系,隨後考進俄羅斯莫斯科國立柴可夫斯基音樂學院,主 修鋼琴演奏,再攻讀鋼琴演奏及室樂雙博士學位(俄羅斯 音樂演奏之最高學歷等級)課程。伍先生乃該學院第一位 同時修讀兩個研究院課程的外國學生。伍先生經常往來歐 亞各地音樂廳、博物館及教堂參與各類型演奏。演奏曲目 包括西方和俄羅斯作曲家不同時期與風格的作品。伍先生 尤其醉心於 A. Scriabin 和 K. Szymanowski 的作品。他現於 香港中文大學、香港教育學院及澳門理工學院藝術高等學 校任講師。現在伍先生和我們分享學習數學和音樂的體 會。

起初我愛數學,是因為她是所有科學的形而上學,有放諸 四海皆準的普遍有效性。而音樂呢,除了覺得她也是一種 適用於每一個思想主體的普遍有效的語言之外,我覺得她 還是一個非物質的世界,在那裡思想感情都以美的姿態呈 現出來。數學是眾科學中的皇后,對我來說,音樂也是眾 藝術中的皇后。之後我了解到音樂和純數學一樣,其形式 都是抽象的,本質都是形而上學的。

<mark>數學是純理性邏輯具創造性的伸延。</mark>音樂從本質來說,是 最<mark>接近思想和意志活動的藝術:她是感</mark>性思維的最直接顯 現。一首音樂作品跟數學理論系統一樣,也有自己的定 義、公理和遊戲規則。在眾多藝術之中,音樂乃「萬物皆 數」得以最直接的呈現。音樂可說是流動的建築。從作曲 技巧、結構來説,她很大程度上是一些數學遊戲,甚至可 以説音樂是藝術裡的應用數學。數學是大自然,宇宙-物理世界的結構藍圖的語言。同樣,音樂是靈性世界的建 構原理和遊戲規則。

音樂給人一個錯覺:音樂天份只是極少數人所擁有的恩 賜。的確,眾多學習音樂的人當中,只有少數人能突破學 習過程中的難關,成為音樂家。但我深信:擁有音樂天份 的人一定比一般人想像的多。眾所周知,古典音樂可以刺 激數學思維,而我則認為數學邏輯思維能力強的人,也必

其實數學家比所有藝術家更需要創作力和靈感。當然,音 樂家需要天分和靈感,但我覺得他們同樣需要的是品味、 修養、意志力和感染力。柴科夫斯基説過:靈感只會拜訪 努力不懈的藝術工作者。從這句話可以看出,似乎靈感對 藝術來説還不及默默耕耘來得重要!但是天才數學家們的 神來之筆,又豈是默默耕耘便可學得到?

誠然,理性也有其極限。康德的巨著《純粹理性批判》便 是探討這個無奈的主題:有些命題是理性邏輯無論如何也 不能加以證明或者推翻。而哥德爾定理便是康德理論在數 學世界的具體闡述!雖然數學世界完美無瑕,但是她自身 系統裡也有本身解決不了的事情:存在一些真,但無法證 官的命題。

對我來說數學並不艱深,也不抽象難懂,可是她就是神秘! 不是因為人類的智力,認知能力有限,而是任何會思考的 個體的理性本身對「自在之物」也無能為力!

音樂除了合平數學規則之外,她最奧妙之處,在於她能和 美及心靈產生共鳴。可是樂譜裏的音符只是記錄了音高 (頻率)和時值。它們和休止符全都是一些數值的排列組 合,何以某些組合能和大部分聽眾的審美觀和心靈產生共 鳴,某些卻不可以呢?

當然,這在純理性方面是永遠都不能解釋的。

每首樂曲都是一個謎。謎底——創造者的意志呼喚著我。 樂音除了傳達喜怒哀樂,她最寶貴的意義在於:她是一條 超越理性的鑰匙,巧妙地打開通往自在之物——美的神秘 之門。

無論是數學或者是音樂,我始終為神秘的美而著迷!



Newsletter of Department of Mathematics, CUHK, 2011-12, Issue 9

TO HAVE OR TO BE? AN ALUMNUS' VOLUNTEER WORK EXPERIENCE

One of our graduates, Ms. Jennifer YIP (Double-degree in Mathematics and Information Engineering, 2010), joined NAVTI Foundation (a non-government organization) this summer for a two-month volunteer work in Cameroon. The following is what she shared with us while she was working there.

'Kimban! Kimban!'. Walking through the alleyways of Kumbo, Cameroon, I was often greeted by excited children with friendly shouts of 'Kimban', which means 'White Man' in the local language Lamso. My ordinary "Good morning" would leave the kids giggling while still inspecting all my moves.



Taking a break from school work, I joined NAVTI Foundation this summer for a 2-month volunteer work in Cameroon. Taking care of teaching computer literacy courses of the NGO's computer center, I immersed myself in the wonderful African culture interacting with the local Cameroonians. Even though computer literacy is part of the curriculum in Cameroonian high schools, students sometimes only access to the school computer laboratory once a term. Thus a student who masters all the theoretical aspects presented in the curriculum is not even confident in typing or using a mouse.

NAVTI's computer center fills the gap by offering practical computer literacy classes at an affordable price. Students have ample time to practice different computer skills. The center is equipped with 16 computers; most of them are second-hand computers donated by corporations and individuals from mature countries. Not connected to the Internet, our classes focused on keyboarding and using Microsoft Office. In spite of the frequent





power outage, students treasured their time in class. As computer is an extravagance to the ordinary household, students feeled privileged to be in the NAVTI's class.

Living in a modest neighbourhood in this small city, I was fascinated by the Cameroonian culture. They are always hospitable and willing to share the little things they have with everyone who passes by the household. Roasted corn from my neighbour was really delicious and it is so memorable to be treated for two dinners in the same evening by two different households.

The African experience gave me a new perspective in life. There are things that could never be described in words. The overcrowded 8-people taxi-size car, the muddy bumpy road, the boundless starry sky, the hugs and kisses from my 3-year-old neighbours... It is the small things in the day-to-day country life that enrich my experience most.

Fellow students, step out of your comfort zone and take up the challenge to serve the world. There is much more in giving than receiving.



For information of and donation to NAVTI Foundation, please visit: www.navtifoundation.org

Enrichment Programme for Young Mathematics Talents (EPYMT)

Fpymit has seen another successful summer. In the year 2011, over 150 students from various local and international schools were admitted into four courses. Here we share some encouraging opinions of students and parents.



Parent of a student, K. CHOW

'The program has been a rewarding experience for my son. His professors, especially Professor Au, were engaging and helped him develop his passion for math and learning. I found he has matured a lot over the summer, becoming more responsible and independent. EPYMT has made a positive impact on his knowledge and personal development.'



Parent of a student, Mrs. WONG

'Thanks to the rich and challenging contents of the courses and the interesting and inspiring teaching of the professors, my son has since then built up determination to pursue further in mathematics.'

Overseas student, Colman YAU Ho Man

'I have learnt some interesting math which has never been taught in the curriculum I studied in the UK. With no doubt, the math I learnt in the EPYMT is difficult and abstract. The teaching assistants are very friendly and energetic so that the tutorial sessions were not dull at all. It is a wonderful experience for secondary school students who are eager for gaining advanced mathematical knowledge.'



Local student, FUNG Dalton Yin-Nam 'EPYMT also serves as a platform for students to exchange their knowledge and share their experiences. By joining this programme, I have met a lot of friends who share common interests.'



Korean student, AHN Yong Jin

"As a person who aspires to study mathematics further in university, it was very enjoyable to study things that are normally not dealt with in high school. The teaching assistants were very knowledgeable and were skillful in their teaching methods."

Local student, HO Sze Man

「參加這個暑期班,令我學到不少數學知 識,啟發了我的數理邏輯和思考能力,還增 強解難技巧。此外,在同學對授課主題不太 完全掌握和未能完成習作的時候,助教們都 願意為同學安排補課。」

Besides lectures and tutorials, we also organize guest talks for EPYMT students. This summer, we were honoured to have Prof. YUNG Po Lam (Rutgers University) and Dr. WONG Tin Lok (National University of Singapore) to give valuable talks to our students.

2012 The registration period of the programme is tentatively scheduled from Feb to April http://epymt.math.cuhk.edu.hk/index.html

Hang Lung Mathematics Awards



Hang Lung Mathematics Awards (HLMA), a research-oriented mathematics competition, is open for registration. If you are a school student and fond of mathematics research or have some innovative math ideas, please do not hesitate to join.





The co-founders of HLMA, Mr. Ronnie C. CHAN (left), the Chairman of Hang Lung Properties and Prof. Shing-Tung YAU (middle), a world renowned mathematician with Mr. Michael SUEN Ming-yeung (right), Secretary for Education in the Awards Presentation of HLMA 2010.

Ms. WONG Ching (second right), Gold winner of 2010 HLMA

'I have greatly enhanced my self-learning skill, which is always essential in studying mathematics. That's why I will seize every opportunity to do research in the future.'

Registration Deadline February 28, 2012 Report Submission Date August 31, 2012 Online Registration and Details http://hlma.math.cuhk.edu.hk/index.php

Mr. Ghaleo TSOI Kwok Wing (right), Gold winner of 2010 HLMA

of 2010 HEAR 'If you are a high school student and are not satisfied by the math at school, I strongly recommend the HLMA competition. You will probably be fascinated by the inner beauty of mathematics and have a wonderful experience as we did.'

2010年新世界數學獎



Newsletter of Department of Mathematics, CUHK, 2011-12, Issue 9

美國康奈爾大學研修之旅 — 李賢達同學



在二零一零年暑假到了美國康奈爾大學 (Cornell University) 研究分形上的波動方程。這次經驗實在難忘,讓我得益不少。

在那裡,四位外國大學生和我一起跟隨教授 Robert S. Strichartz 研究有關分形的題 目。我和同組的同學一樣努力,研究氣氛濃烈。悶時,我們便會思考對方的題 目,互相支持。有時我們會在系中工作,又有時到咖啡室工作,雖然辛苦,但是 十分愉快。而每逢星期五,參加暑假研究計劃的大學生會輪流向大家匯報進度, 學習有趣的數學。

暑假結束後,我也沒有停止思考那個題目,我每數日都會抽一小時來再想想未解決的問題。在十月,我有幸在 2010 Fall Eastern Sectional Meeting 報告我的研究成果。我最感自豪的是證明了在某些分形上波動方程具瞬時特性的猜想。其實十年前,Strichartz 教授在某篇論文裡已提出這個猜想,並指出證明這個猜想的困難之處。我花了半年,想了一個有趣的方法,就是透過波動方程和熱傳導方程的關係,證明了如果熱傳播速度足夠快的話,那麼波動方程便具瞬時特性。我明白到凡事不可輕易放棄。最後,真是十分感謝數學系給我在唸本科時便有做研究的寶貴機會。

首屆最佳助教獎

Or Doundary

為了獎勵助教,提高教學質素,本系於2010-11學年首設最佳助教獎。此獎的評選標準基於老師的推薦和同學的意見。首屆得獎者為吳哲宇、賴俊傑、肖晶晶。



吳哲宇



左起:陳漢夫教授、賴俊傑、劉家成教授



左起:陳漢夫教授、肖晶晶、劉家成教授

 $3 - 3e^{-4\pi i\zeta} - \sqrt{9} - 14e^{-4\pi i\zeta} + 9e^{-8\pi i\zeta}$

捐款鳴謝

衷心感激吳恭孚教授、丘成桐教授(1969)、羅春光教授(1982)、李隆熙 先生(2009)、余偉權博士(1979)以及一位無名氏慷慨解囊,於過去兩年 合共捐贈約叁拾伍萬圓港幣,以支持本系發展。特此鳴謝。

2010-11 獎學金得主名單

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Newsletter of Department of Mathematics, CUHK, 2011-12, Issue 9

Co*ming* Event

New Wave Mathematics

Mathematics and medical science seem to be entirely unrelated. How does abstract mathematics relate to our health? In this talk, the speaker will unveil the mystery of medical mathematics!

Speaker Date Time Venue Prof. LUI Lok Ming Ronald 25 February 2012 (Sat) 10:30am Lee Shau Kee Building LT5, CUHK



Summer Undergraduate Research Experience

This summer, our students went to various universities outside Hong Kong to do research under the guidance of renowned mathematicians.

California Institute of Technology Yuen Chi Ho

Cornell University Guo Zijian, Yu Hui

Johns Hopkins University Lam Chi Yeung, Wong Sze Wai

Joint Institute for Computational Sciences, Oak Ridge National Laboratory & University of Tennessee

Huang Hang, Tam Hiu Ching, Tang Man Hin, Wu Yi

University of Delaware

Ng Fung Ming, Li Hanbo, Lau Chung Keung John, Tsang Kam Piu

University of Waterloo Chan Ho Yuen, Mak Cheuk Yu, He Yukun

Visitors

Every year, scholars from different parts of the world come to our Department and the Institute of Mathematical Sciences. Their active participation and providence of expertise in our seminars, courses and other academic events have contributed substantially to our Department's research and academic programmes.

Due to space limitation, we present here only a partial list of our visitors in 2010-11.

- Julien BARRAL, University of Paris 13
- Vieri BENCI, Università di Pisa
- Daomin CAO, Chinese Academy of Sciences
- Dongho CHAE, Sungkyunkwan University
- I-Laing CHERN, National Taiwan University
- Edward Norman DANCER, University of Sydney
- Juan DAVILA, University of Chile
- Pino Manuel DEL, University of Chile
- Xinhan DONG, Hunan Normal University
- * Bjorn ENGQUIST, The University of Texas at Austin
- Xuqian FAN, Jinan University
- Hui FENG, Wuhan University
- Mario A.T. FIGUEIREDO, Instituto Superior Téchnico
- Week Tech GAN, University of California, San Diego
- Alexander GRIGORYAN, University of Bielefeld
- Boling GUO, Institute of Applied Physics & Computational Mathematics
- Yves GUO, Goldman Sachs (Asia) L.L.C.
- Emmanuel HEBEY, Université de Cergy-Pontoise
- Qiya HU, The Chinese Academy of Sciences
- Kazufumi ITO, North Carolina State University
- Falconer KENNETH, University of St Andrews
- Michal Antoni KOWALCZYK, Universidad de Chile
- Tian Gang LEI, National Natural Science Foundation
- Chi Kwong LI, The College of William & Mary
- Chong LI, Zhejiang University
- Wing Suet LI, Georgia Institute of Technology
- Chang Shou LIN, National Taiwan University
- Tai Chia LIN, National Taiwan University
- Zhaoli LIU, Capital Normal University
- Wei Ming NI, University of Minnesota
- Frank PACARD, Universite Paris Est-Creteil Val de Marne
- Xiaofeng REN, Georgia Washington University
- Narn Rueih SHIEH, National Taiwan University
- Shi SHU, Xiangtan University
- Joel SMOLLER, University of Michigan
- Panagiotis SOUGANIDIS, University of Chicago
- Yang WANG, Michigan State University
- Michael Jeffrey WARD, University of British Columbia
- Olof WIDLUND, Courant Institute of Mathematical Sciences, New York University
- Matthias WINTER, Brunel University
- Yau Shu WONG, University of Alberta
- Jinchao XU, Penn State University
- Shusen YAN, University of New England
- Dong YE, Universite de Cergy-Pontoise
- Jiu-Kang YU, Purdue University
- Josinae ZERUBIA, INRIA, France
- KeKe ZHANG, University of Exeter
- Liqun ZHANG, Academy of Math & Systems Science Chinese Academy of Sciences
- Shao-Liang ZHANG, Department of Computational Science and Engineering, Nagoya University
- Huijiang ZHAO, Wuhan University
- Feng ZHOU, East China Normal University
- Hao-Min ZHOU, Georgia Institute of Technology