

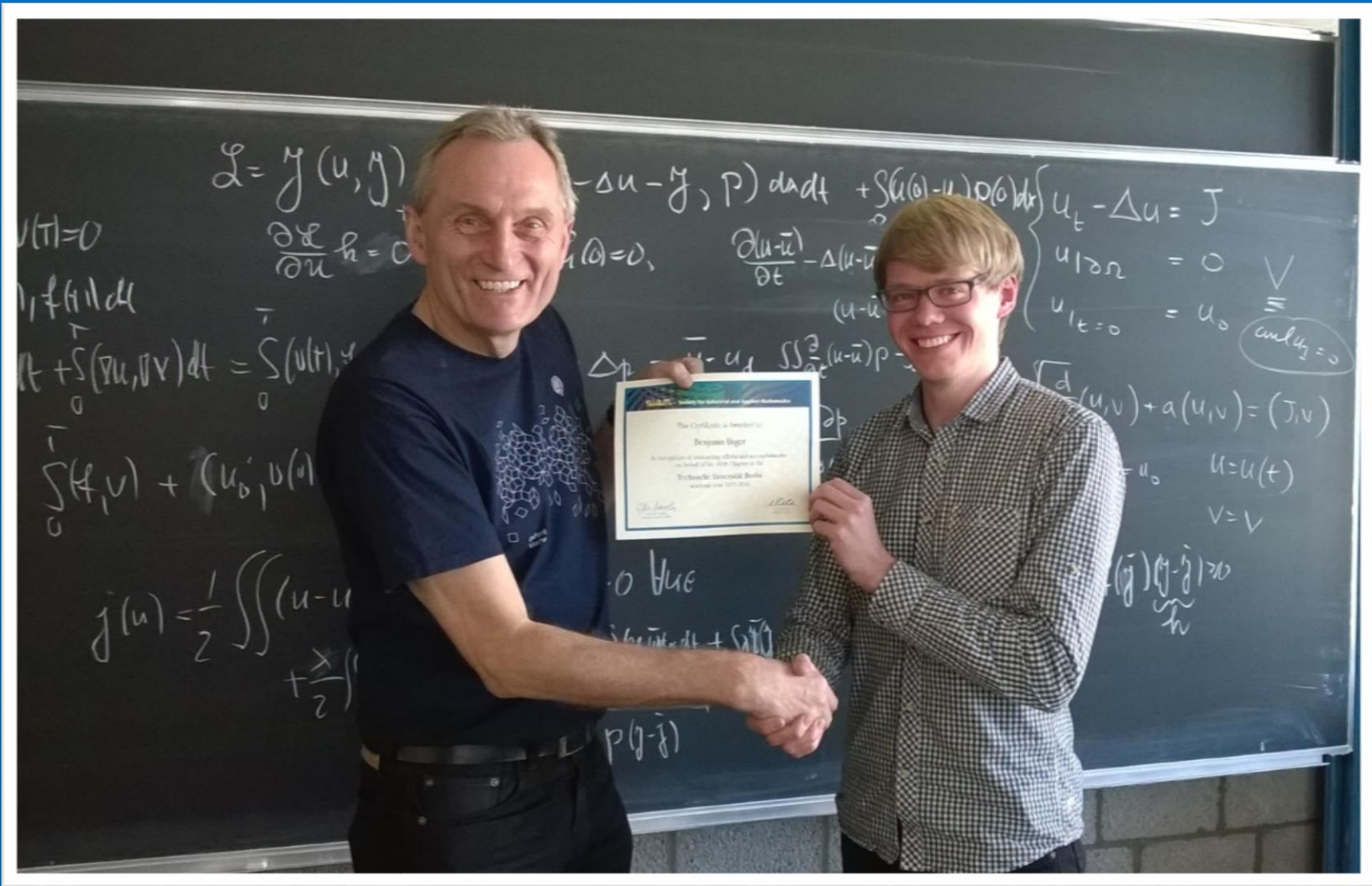
2016 SIAM Student Chapters Student Day Presentation



Greenland



120 chapters in the USA & 53 International chapters in 28 different countries !!



Technische Universität Berlin Chapter Faculty Advisor Volker Mehrmann presents student Benjamin Unger with the Certificate of Recognition.



The National University of Singapore SIAM Student Chapter Department Head Prof Chengbo Zhu (right), presented the Certificate of Recognition to Chapter President Xinran Ruan (left).



Daniel Howard (left) from the University of Notre Dame du Lac's chapter receives the Certificate of Recognition from faculty advisor Jonathan Hauenstein.



RWTH Aachen University Chapter holds a “Science Jeopardy” quiz night.



The Emory University chapter held “Math and Industry Happy Ever After” which included a guest speaker from IBM.

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Society for Industrial and Applied Mathematics

Join the Emory SIAM Student Chapter at our monthly meeting to explore how applied mathematics drives research and innovation in the modern industrial world!



Who: Dr. Lior Hoshen from IBM TJ Watson Research Center

When: 11:30am - 1:00pm this Thursday, March 17

Where: MSC W302

Lunch: Pizza will be served

Title: Should You Derive or Let the Data Drive? Towards a Hybrid Physics-based Data-driven Symbolics

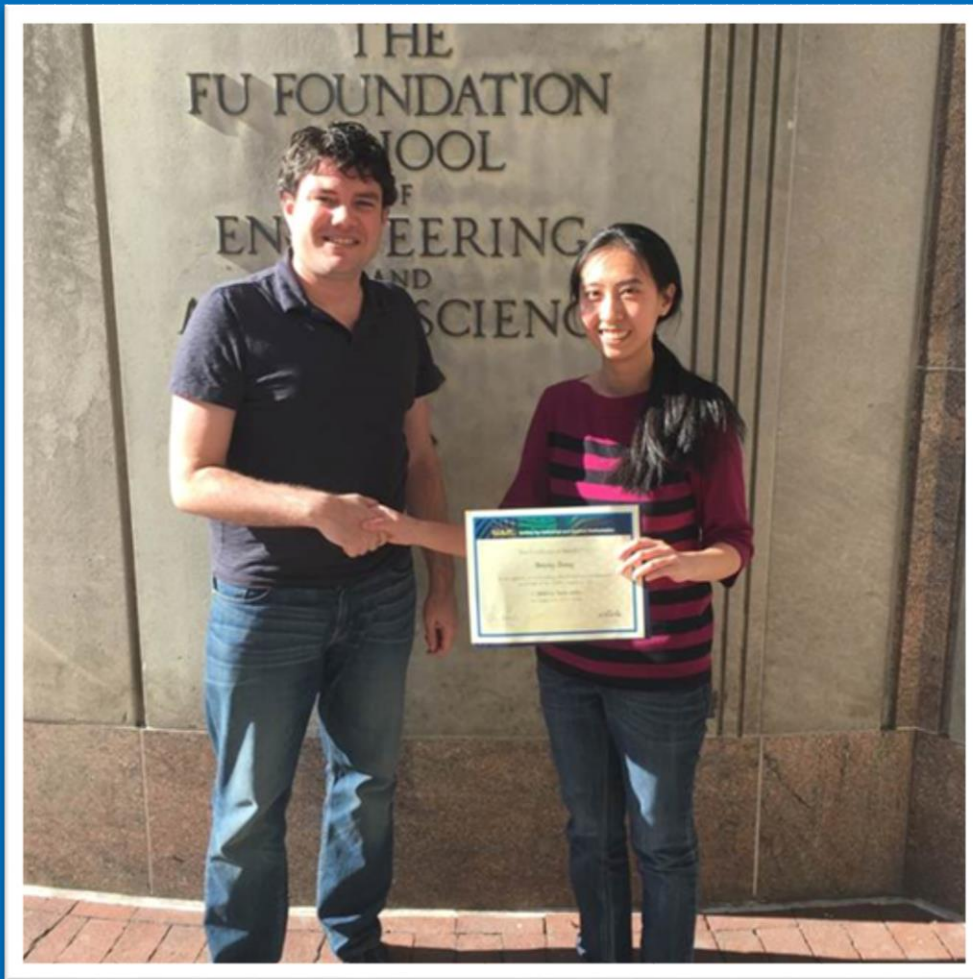
Abstract: We will begin with an introduction to the mission, milestones and strategy of the largest industrial research institute in the world. Later, a more personal perspective regarding the parallels and differentiators of industrial vs. academic research environment will be presented. Lastly, we will go through few case studies, in which we shall witness how the universality of mathematical skills will bridge across a broad spectrum of real life problems.

Image Citation: Shutterstock. Digital image. IBM News Room - 2009-12-18. IBM, 18 Nov 2009. Web. 11 Mar 2016.





The Hong Kong Polytechnic University chapter with SIAM Membership Manager, Tim Fest (center) in Hong Kong.



In recognition of her efforts as President of the Columbia University Student Chapter this past year Huiying Zhang (on the Right) received the Certificate of Recognition from Faculty Advisor Kyle Mandli.



The George Mason University chapter hosted the 2016 Northern Virginia Regional Mathcounts competition, a national enrichment program, on their campus this year.



In recognition of his efforts to begin the chapter, student Hugo Checo Silva received a SIAM student chapter Certificate of Recognition from Faculty at the Universidade de Sao Paulo, Brazil.





Among the SIAM international chapter community there is the Universidade de Sao Paulo in Brazil.

SISSA EVENTS



SISSA SIAM Chapter Colloquia

SISSA SIAM student chapter promotes a growing interest in applied mathematics.

16:00 - Guido De Philippis **"The Plateau problem"**

17:00 - Antonio Lerario **"Statistical real algebraic geometry"**

A coffee break will be offered between the two colloquia.

Info and detailed program:

<http://www.math.sissa.it/content/sissa-siam-student-chapter>

<http://www.math.sissa.it/seminar/siam-chapter-colloquia>

WHEN

9th MAY 2016

AT 16.00

WHERE

SISSA

room A-005

INFO

Paolo Gidoni

paolo.gidoni@sisssa.it

SISSA International School for Advanced Studies Chapter of SIAM - Scuola Internazionale Superiore di Studi Avanzati is the first chapter in Italy. Founded in 2013 they have organized activities ranging from cultural events to promote mathematics to conferences and courses.

Gene Golub

g2s3

2017

SIAM Summer School

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Society for Industrial and Applied Mathematics



The University of Hamburg Student Chapter awarded Susanne Beckers the Certificate of Recognition this year. Picture above is Susan (center) and faculty advisor Jörn Behrens.



The Indian School of Mines, Dhanbad chapter, award Saumya Pandley , here with faculty advisor Sanjeev Sahu, the Certificate of Recognition.



Des Higham (left) faculty advisor awards Justin Conn (right) the Certificate of Recognition this year for Scotland's University of Strathclyde Chapter.



Louisiana State University Chapter members on a field trip to the Lazer Interferometer Gravitational Wave Observatory.



Louisiana State University SIAM Chapter member Aleksandr Smirnov and his Certificate of Recognition.



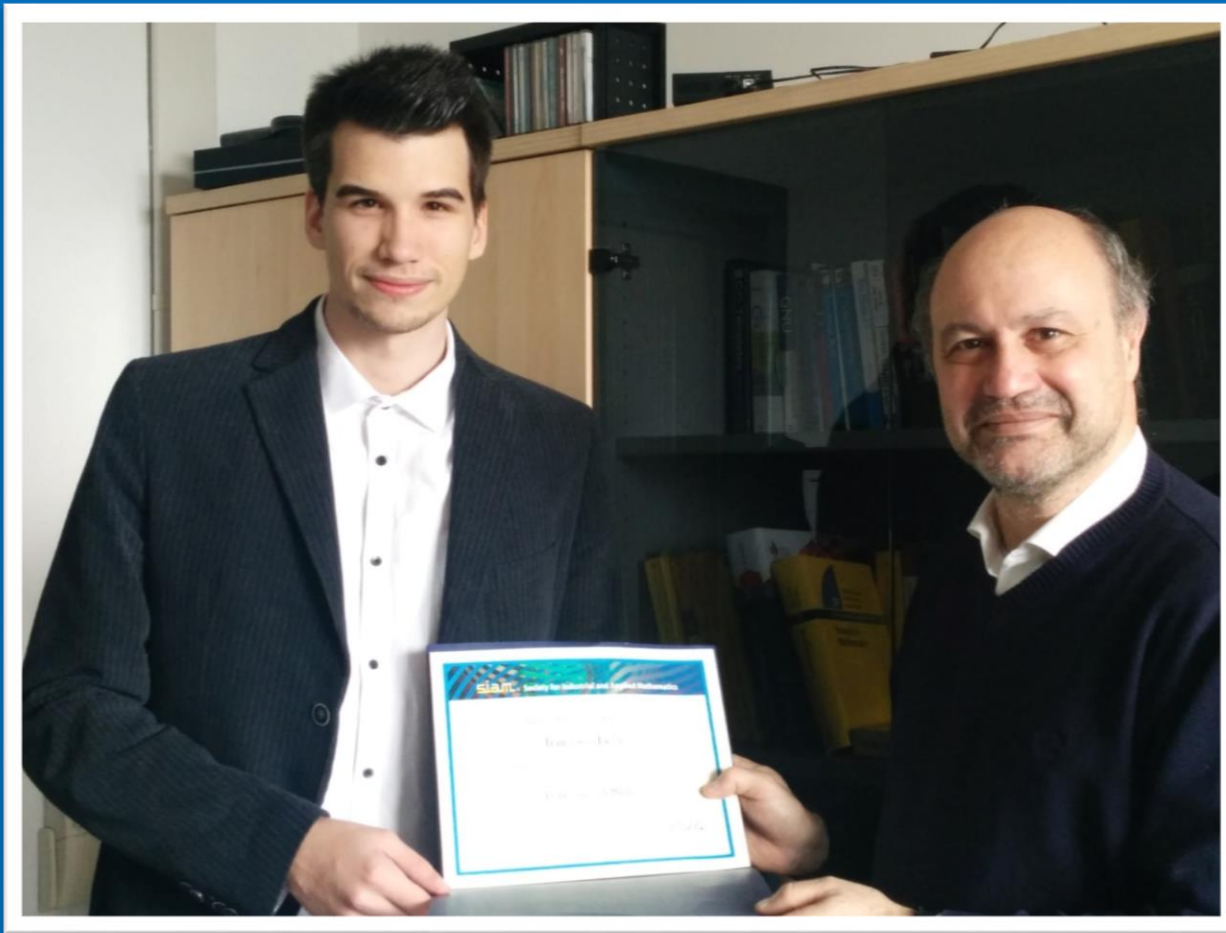
The Magdeburg (Otto von Guericke University, Germany) SIAM chapter members.



The Vellore Institute of Technology Chapter, located in India with the Certificate of Recognition recipient Shreyansh Mittal



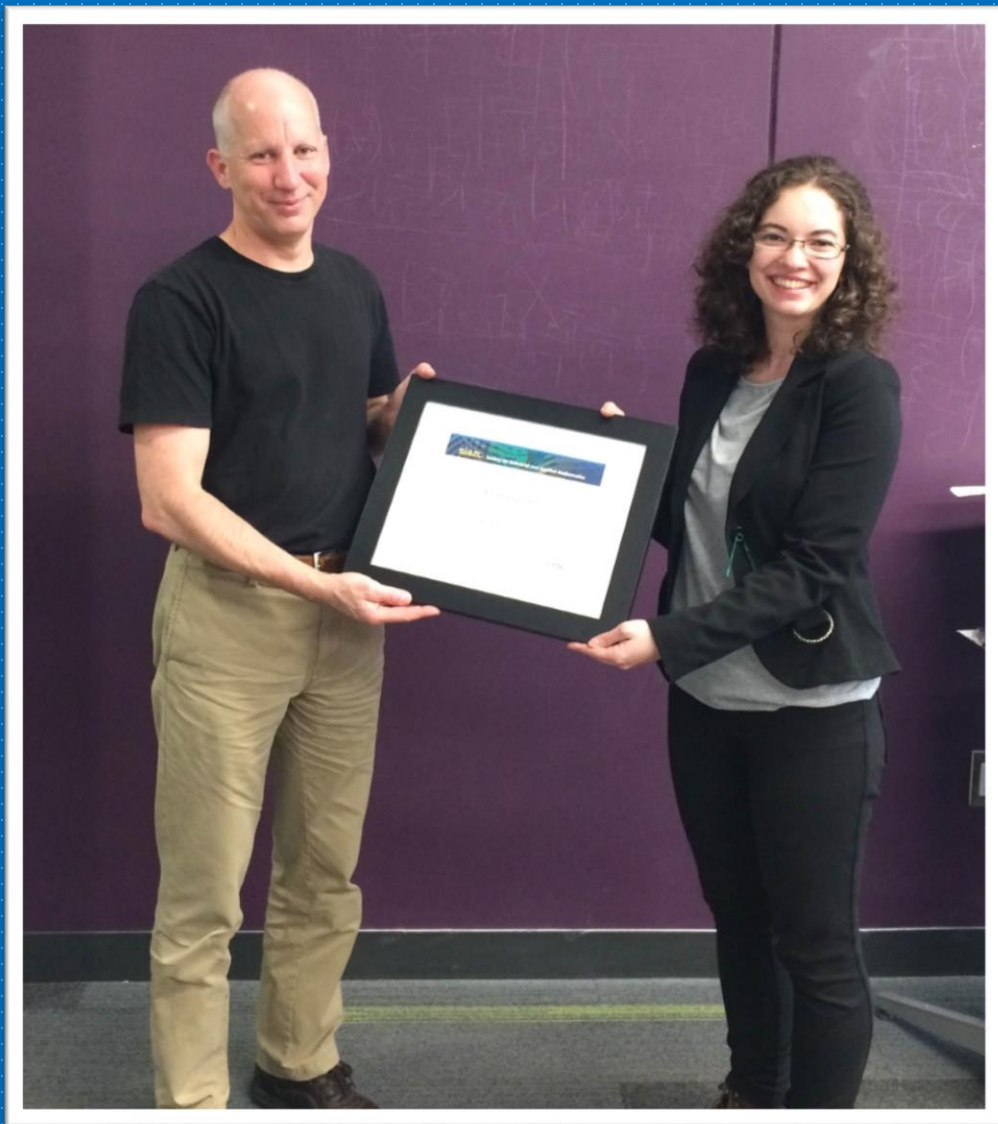
The University of California Merced certificate recognized Julia Clark (right) shown here with faculty advisor Noemi Petra (center) and invited guest speaker Omar Ghattas.



Francesco Faccio receives the SIAM Student Chapter Certificate of Recognition from the faculty advisor of the PoliMi Chapter, Professor Luca Formaggia at the Politecnico di Milano Chapter in Italy.



The Rochester Institute of Technology in New York had a “Project for Imagine” event recently.



Brown University faculty advisor Bjorn Sanstede with Certificate of Recognition winner this year Veronica Ciocanel.



National Central University, Taiwan Certificate of Recognition winner is Yi-Su Lo and the faculty advisor is Feng-Nan Hwang.



The University of California Merced (above) along with students at the University of California Davis had a successful seminar series and held the First Central Valley Regional SIAM Student Chapter conference.



Peking University in China awards the Certificate of Recognition to Yu-Chen Jiang (above left) with faculty advisor Ruo Li (right).



Afshan Nayani (R) receives the Certificate of Recognition from faculty advisor Shan Sun at the University of Texas, Arlington student chapter.



The University of Delaware chapter of SIAM has been busy! They were involved in writing a FUN Guide to Newark DE., and participating with AWM - UDel Chapter by organizing job panels for their events.



The Student Chapter of SIAM at Delft University of Technology in the Netherlands.



Member of the Tufts University SIAM Chapter.

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Society for Industrial and Applied Mathematics

ABOUT SIAM

- The **Society for Industrial and Applied Mathematics (SIAM)** was founded by a small group of mathematicians from academia and industry who met in Philadelphia
- SIAM exists to ensure the strongest interactions between mathematics and other scientific and technological communities through membership activities, publication of journals and books, and conferences

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The Vellore Institute of Technology chapter in India often has invited speakers and presentations.



Arizona State University campus hosted the eighth annual Sonia Kovalevsky Mathematics Day, featuring a presentation by the chapter's president Claudia Rodriguez on her research in math education.



The University of Hamburg, Germany Student Chapter officers.

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Charles University in Prague Chapter of SIAM and faculty advisor Josef Málek at right.

The 4th CAS SIAM Student Chapter Annual Meeting



2016.6.5 Beijing

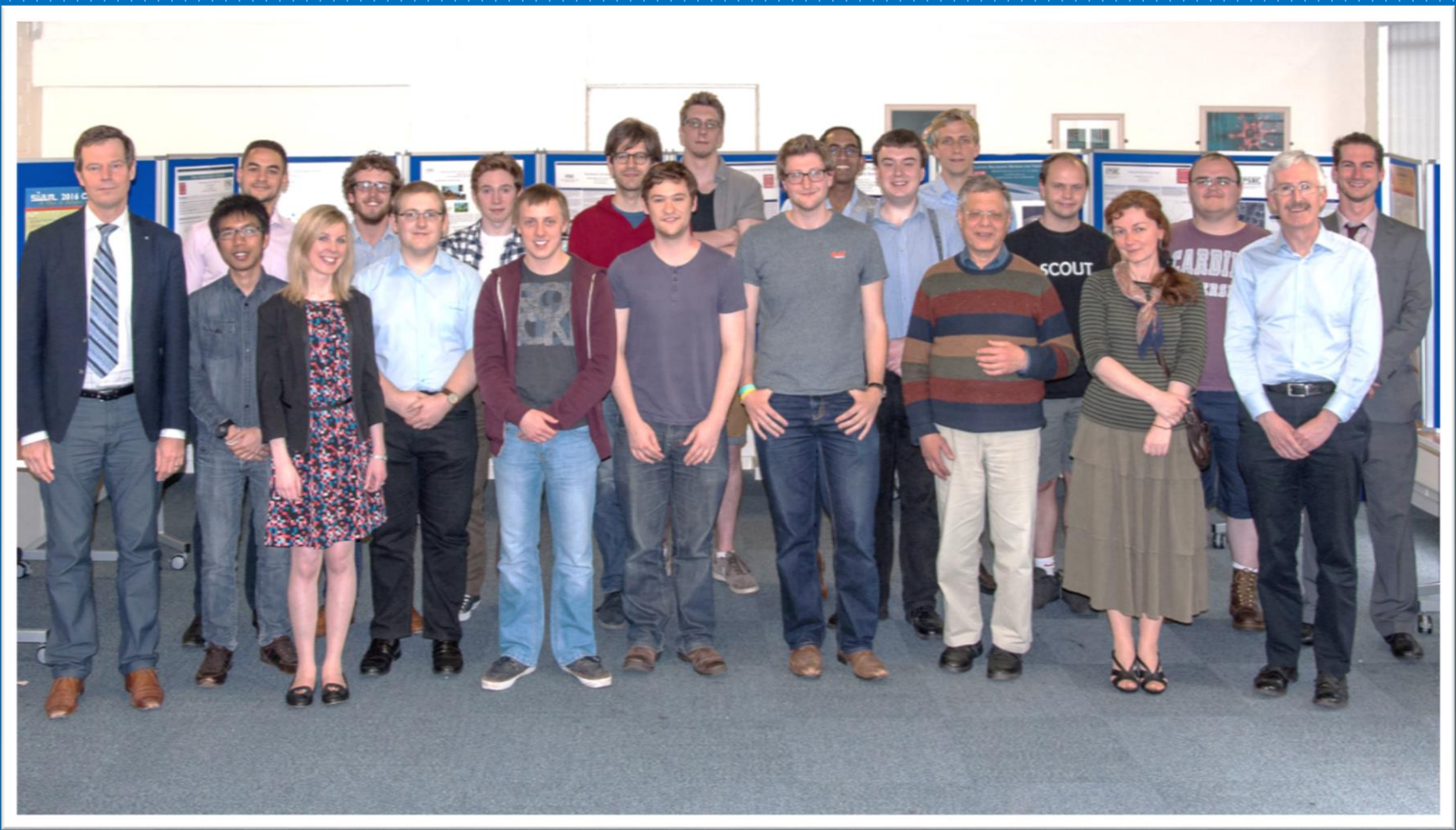
The Chinese Academy of Sciences SIAM chapter just held its annual meeting in June of 2016.





The Colorado State University Chapter, Fort Collins, CO.





Cardiff University SIAM Student Chapter in Wales, UK group picture.





Thea Vuik accepts the Certificate of Recognition for the Delft University of Technology in the Netherlands.



Embry Riddle SIAM Student Chapter Mechanical Team have a meeting at the pool to design, build and test eco dolphin.



The Certificate of Recognition went to Hong Kong Polytechnic University chapter member Haibin Chen here with SIAM Membership Manager Tim Fest.



University of Houston's SIAM Chapter with members Licheng Zhang, James Trousdale, Francois Alexis Ouegnin and Tasadduk Chowdhury.



UMass Dartmouth Chapter Members have a picture with renowned physicist Dr. Kip Thorne during the Science of Interstellar event at UMass Dartmouth in March 2016. Dr. Thorne is the originator and guiding hand of the 2014 blockbuster movie Interstellar, which is based on black holes, spatial wormholes, and other concepts at the forefront of theoretical physics.



Martin van Gijzen (L) and recipient of the Certificate of Recognition **Thea Vuik** (R) Delft Univerisity of Technology, the Netherlands.



Kees Vuik (L) and recipient Joost van Zwieten (R) at Delft University of Technology, the Netherlands (2015).



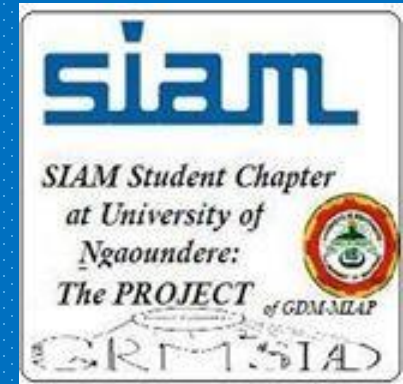
École Polytechnique Fédérale de Lausanne, Switzerland, Chapter of SIAM Committee 2015/2016 with Invited Speakers. From left Pavol Gurican, Ana Susnjara, Dr. Joseph Dureau, Olivier Corradi, Prof. Amin Shokrollahi, Allan Svejstrup Nielsen, Matthieu Martin.



The SIAM Indian School of Mines, Dhanbad chapter, students along with faculty.



Great day out at the Imperial College chapter trip to Thorpe Park.



SIAM Student Chapter members of University of Ngaoundere

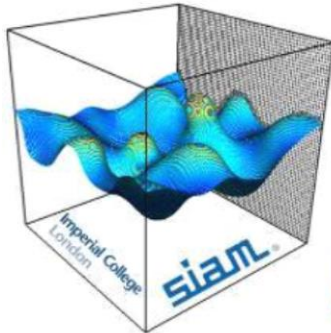


The Rice university Chapter of SIAM made Tee shirts this year!





National University of Ireland Chapter of SIAM (NUI).



www.imperialSIAM.com
facebook.com/imperialSIAM

Imperial College London SIAM Student Chapter ANNUAL CONFERENCE 2016

When?

10am-6pm, Friday, 3rd June

Where?

Read Lecture Theatre,
Sherfield Building

Who?

All PGs, post-docs and staff welcome!

Invited Speakers

- Prof. José A. Carrillo
Mathematics Department, Imperial College London
- Prof. Yannis Kevrekidis
Department of Chemical Engineering, Princeton University
- Prof. James Sprittles
Mathematics Institute, University of Warwick

Contributed talks from PhD students and young researchers across all areas of applied mathematics from all around the UK will be scheduled throughout the day. The program also includes:

- Lunchtime poster session
- Prizes for best student talk and poster
- Conference dinner
- G-Research networking opportunities



We welcome additional
registrations for talks
and/or posters.
Deadline: Friday, May 20th

SISSA EVENTS



SISSA SIAM Chapter Colloquia

SISSA SIAM student chapter promotes a growing interest in applied mathematics.

16:00 - Guido De Philippis **"The Plateau problem"**

17:00 - Antonio Lerario **"Statistical real algebraic geometry"**

A coffee break will be offered between the two colloquia.

Info and detailed program:

<http://www.math.sissa.it/content/sissa-siam-student-chapter>

<http://www.math.sissa.it/seminar/siam-chapter-colloquia>

WHEN

9th MAY 2016

AT 16.00

WHERE

SISSA
room A-005

INFO

Paolo Gidoni
paolo.gidoni@sisssa.it



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Several chapter events.

SIAM Student Chapter Presents
"Düşüm Yola" Projesi
SOLO KEMAN RESİTALİ
EĞRETİ İNCİ, KIZIL RAHİP & DÖRT MEVSİM
Prof. Dr. M. Orhan AHISKAL



12 Mayıs 2016, Perşembe, 13:40
Uygulamalı Matematik Enstitüsü, S-209

Mimaride barok kavramının ortaya çıkışı ve bu kavramın müzik alanı tarafından benimsenmesi, İtalyan yarımadasında Venedik'in sanatsal konumu ve dönemin en ünlü bestecilerinden Venedikli "Antonio Vivaldi" ve Barok dönemin belki de en ünlü eseri La Quattro Stagioni'nin ilk program müziği olması açısından önemi anlatıldıktan sonra, ikinci kısımda da Dört Mevsim'in tasvirleri görseller eşliğinde tek tek anlatılacaktır.



Free food, drinks and bowling @



ILLINOIS INSTITUTE
OF TECHNOLOGY

What:
IITSIAM Student Chapter's Fall 2012 general
body meeting.

When:
Nov. 15th, 5:30pm-7:30pm.

Where:
the BOG

11/15/12

Sponsored by SAF

siam
Society for Industrial and Applied Mathematics

SIAM VIT
presents
FORENSICS

FRIDAY
15TH APRIL 2016

TIME: 5-7 pm
VENUE: SMV-112

CONTACT:
UTKARSH (+91-7871733691)
SIAM.VITU@GMAIL.COM
f : HTTPS://WWW.FACEBOOK.COM/SIAMVT
SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

Math Matters

Apply It.

The math behind... Special Effects



Technical terms used:

Partial differential equations, numerical algorithms, computational fluid dynamics

Uses and applications:

Over the last few decades, special effects have become an important part of Hollywood movie productions. Special effects are widely used for natural phenomena simulations such as tsunamis, tornadoes, and fire, as well as for the movement of cloth or hair in animated movies.

How it works:

When you see an awesome explosion, a building collapse, or a boat caught in a storm in a movie, the

Manchester SIAM Student Chapter Conference 2016



6th Manchester SIAM Student Chapter Conference. This series of conferences has played a key role for EPS students at the University of Manchester to showcase their research and foster interdisciplinary collaboration.

SEMINAR ON NETWORK SCIENCE



Image: The "social graph" of Facebook

13 - 15 JANUARY 2016
8.30 AM - 4.30 PM | PPSM, FST, UKM

This seminar aims to give an introduction to the mathematical theory of complex networks with applications. Network science is a mathematically rich, multidisciplinary field that studies a vast set of problems from social networks, biology, the internet, transportation and information retrieval. Topics discussed include basic graph theory, dynamics, algorithms and selected mathematical models of complex networks. The objective is to introduce the mathematics of network structure and apply the theory to simulations and ultimately real data.

The seminar will be conducted by Dr. Fatimah Abdul Razak, Dr. Sakinah Abu Bakar and Dr. Zamira Hasanah Zamzuri.



DAY 1

- Introduction to Network Science
- Basic Graph Theory
- Shortest path & clustering

DAY 2

- Centralities
- Random Graph

DAY 3

- Fractals & Scaling
- Scale Free Network
- Small World Network

ALSO INCLUDED:

Mathematica Sessions!

TO REGISTER, CONTACT:

sakinah@ukm.edu.my
zamira@ukm.edu.my



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SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

NATIONAL
MATHEMATICS DAY

22 December

$$\begin{aligned} (1+e^{-2\pi n})(1+e^{-3\pi n})(1+e^{-5\pi n}) & \approx e^{\frac{3}{2}\pi} \\ & = \sqrt[4]{\frac{3}{2}} e^{\frac{3}{2}\pi} \\ (1-e^{-\pi n})(1-e^{-3\pi n})(1-e^{-5\pi n}) & \approx e^{\frac{3}{2}\pi} \\ & = \sqrt[4]{\frac{3}{2}} e^{\frac{3}{2}\pi} \end{aligned}$$

$g_{n, \infty} = 64g_{n, 1} \text{ and } L = 1\sqrt[3]{\frac{3}{2}} + \frac{3}{2}\sqrt[3]{\frac{3}{2}}$



IISc-SIAM Student Chapter

Srinivasa Ramanujan's birth anniversary : Public Lectures



C. E. Veni Madhavan is a Professor in the Department of Computer Science and Engineering (CSE), IISc. His main research interest is in the areas of Combinatorics, Computational Geometry, Graph theory, Computational number theory.

† "Computational Nuances of Ramanujan's Mathematics: Tau, π and 1728"

Prof. C. E. Veni Madhavan
Department of Computer Science and Automation, IISc
3:00 P.M. - 4:00 P.M.

Ramanujan, like many other great mathematicians, was not only prolific in very sophisticated branches of number theory and analysis, but also a giant in computing. One is amazed by the stunning formulae and results of Ramanujan requiring a prodigious numerical computational ability. I draw three examples of the modular function Tau, modular equations and the modern record-breaking calculations of digits of π and the highly composite numbers one of whose number of divisors is 1728!

High Tea

4:00 P.M. - 4:30 P.M.



Arvind Ayyer is an Assistant Professor in the Department of Mathematics, IISc. His main research interest is in the areas of Probability, Combinatorics, Statistical Mechanics, Mathematical Physics and Experimental Mathematics.

‡ "Rogers-Ramanujan's Identities in Statistical Physics"

Prof. Arvind Ayyer
Department of Mathematics, IISc
4:30 P.M. - 5:30 P.M.

I will first describe the Rogers-Ramanujan identities and the important role it plays in various areas of mathematics, such as the theory of hypergeometric functions and representation theory. I will then switch topics and describe a model of non-overlapping molecules in statistical physics known as the hard-hexagon model, in which these identities miraculously appear.

The aim of IISc-SIAM student chapter is to encourage academic activities at IISc, such as technical talks, lecture series, workshops etc., related to applied mathematics or areas which cooperate between mathematics, science and technology.

VENUE :

Faculty Hall, IISc

DATE & TIME :

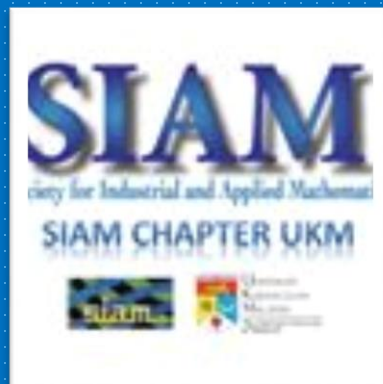
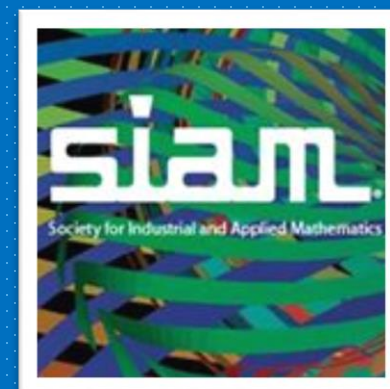
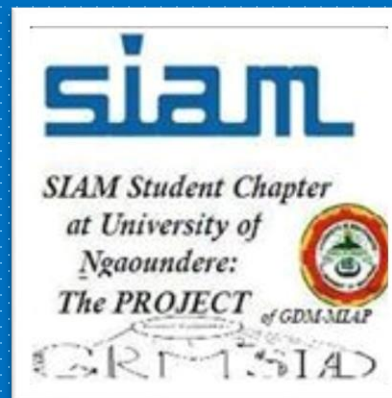
Dec 22, 2015 (3:00 - 5:30 P.M.)

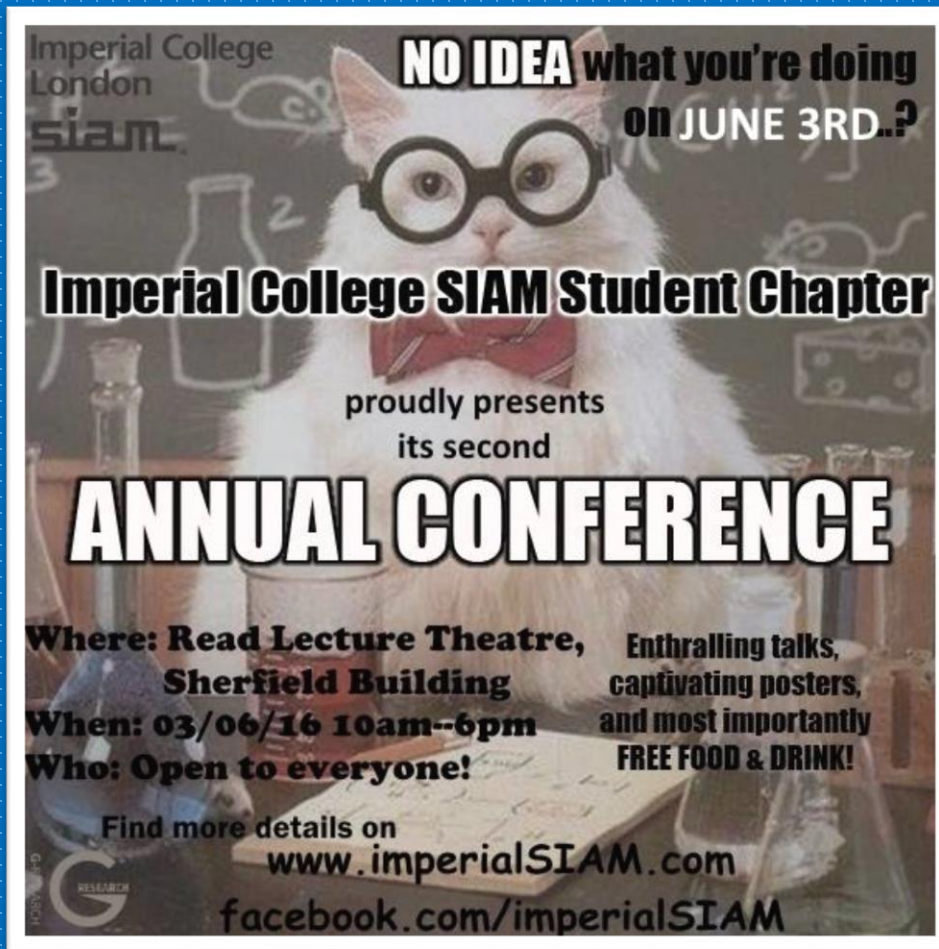


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A few - SIAM
Chapter logos





Imperial College in London holds its annual event. Poster above



SIAM Student Chapter Presents

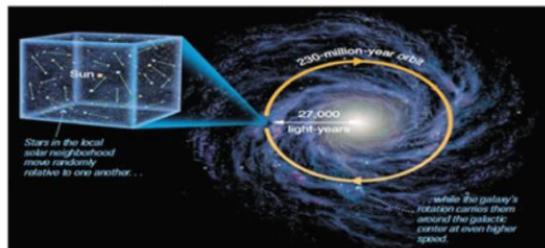
SEMINAR SERIES

Discovery of the Universe and Kepler's Law

Azize Hayfavi

IAM, METU

Abstract: An outlook of the space we leave within will be described and Kepler's laws for the planets will be given in this talk.



Date: 21 April 2016, Thursday, 13:40

Place: Institute of Applied Mathematics, S-209

METU SIAM Student Chapter



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

中科院SIAM学生分会学术报告

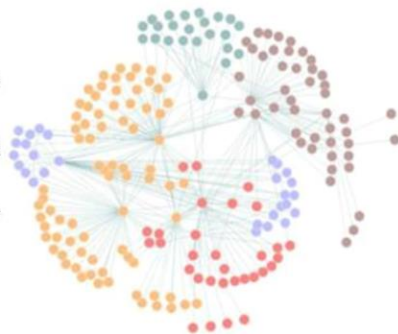
题目: Data Mining In Social Media

报告人: 张文浩

独到科技(北京)有限公司创始人, 清华大学计算机系人工智能所在读博士。

主要研究方向: 社交网络分析, 自然语言处理, 文本情感分析。

独到科技是中国领先的社交媒体数据挖掘服务提供商, 利用数据洞察消费者心理, 为投资决策, 产品营销提供数字化解决方案。



摘要:

社交网络的出现对人们的生活造成巨大的影响和改变。社交数据可以被追踪和记录, 而且具有实时性, 完整性以及海量的特点。让我们可以更加科学和直接的方式洞察消费者群体。在交流中, 将采用社交数据挖掘的相关实际案例, 来介绍如何从海量数据中, 通过数据挖掘和分析的技术让杂乱的数据变得更有价值, 以及社交网络数据能够给我们带来怎样的启示。

报告时间:

2013年11月15日(周五)

16:00-17:00

报告地点:

科技综合楼311

计算数学所报告厅

主办:

中科院SIAM学生分会



Map Satellite

