

SIAM Student Chapter Final Report for 2015–2016 Academic Year (1 of 4)

Student Chapters receiving funds from SIAM are required to submit a final report of activities and finances by the end of academic year. Please complete final report, sign and submit to SIAM office by June 30, 2016. Please attach separate sheets of paper if additional space is needed.

Date of report:	June 24, 2016
Student Chapter:	Charles University in Prague Chapter of SIAM
Chapter Web site:	http://siam.cuni.cz/en/
Chapter Facebook Page:	https://www.facebook.com/PragueSIAMSC
Chapter Twitter Handle:	@SIAMSCPrague
Faculty Advisor:	Josef Málek and Zdeněk Strakoš

Please check Chapter listing on SIAM Web site www.siam.org/students/chapters/current.php and report any changes below or email revisions to snell@siam.org.

New officers: president, vice president, and treasurer

Demographic of Chapter Membership

		Departments			
Member type		Mathematics	36	Gender	
Undergraduates	28	Applied Mathematics	18	Male	49
Graduate Members	35	Physics	8	Female	17
Faculty Members	3	Computer Science	2	Total Members	66
Total Members	66	Other	2		
		Total Members	66		

Report on Chapter Election

Date of Election: May 20, 2016 to elect officers to serve term from July 1, 2016 to June 30, 2017. Please provide office, name & email address of all officers elected to serve.

President:	<u>Marek Netušil, marek.netusil@gmail.com</u>
Vice President:	<u>Vít Orava, orava.vit@gmail.com</u>
Secretary:	<u>Marie Kubínová, kubinova@karlin.mff.cuni.cz</u>
Treasurer:	<u>Tomáš Gergelits, gergelits@karlin.mff.cuni.cz</u>
Webmaster:	<u>Petr Lukáš, luk.p@post.cz</u>

Chapter Highlights

Please describe at least one activity in detail that might be a good idea to share with other chapters, suitable for posting on the SIAM website or SIAM Student Chapter Facebook page. (Please attach a separate sheet of paper if additional space is needed.)

The detailed description with photographs is attached on a separate sheet, see “Chapter Highlights”.

Report on Chapter Activities

Please provide complete description of all Chapter activities, including details on number & type of meetings with approximate number of attendees, name of invites speaker(s) & topic of presentation, contests, awards, field trips, etc. (Please attach a separate sheet of paper if additional space is needed.)

TITLE OF EVENT OR PRESENTATION: 4th Symposium of the German SIAM Student Chapters
DATE OR EVENT OF PRESENTATION: August 26–28, 2015 NUMBER OF PARTICIPANTS: ≈ 20
SPEAKER, INSTITUTIONAL AFFILIATION: Jan Kuřátko

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: We received an invitation to take part in the annual meeting of German SIAM student Chapters in Trier. Our Chapter was represented by Jan Kuřátko who presented his work and activities of Prague Chapter of SIAM. Jan met other representatives of Chapters from Berlin, Hamburg, Trier, Magdeburg, Heidelberg and Aachen.

TITLE OF EVENT OR PRESENTATION: Meeting with Undergraduate Students
DATE OR EVENT OF PRESENTATION: October 8, 2015 NUMBER OF PARTICIPANTS: ≈ 10
SPEAKER, INSTITUTIONAL AFFILIATION: Students of Faculty of Mathematics and Physics

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: As in the previous years two officers of Prague Chapter of SIAM, met with undergraduate students. The goal of this meeting was to provide students with information about study programs Mathematical and Computer Modelling in Physics and Engineering, and Numerical and Computational Mathematics.

TITLE OF EVENT OR PRESENTATION: Meeting with Candidates Applying for a Research Grant
DATE OR EVENT OF PRESENTATION: October 20 & 21, 2015 NUMBER OF PARTICIPANTS: $\approx 3 \times 15$
SPEAKER, INSTITUTIONAL AFFILIATION: Students of Faculty of Mathematics and Physics

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: The Chapter helped prospective candidates to apply for a research grant within the Grant Agency of the Charles University especially designed to fund student research. Members of the Chapter and other students who already received the support gave the prospective candidates advice what points to stress and what not to forget in their application. The event was organized in cooperation with the Academic Senate of the Faculty of Mathematics and it consisted of three meetings (for students of Mathematics, Computer Science, and Physics).

TITLE OF EVENT OR PRESENTATION: Matěj Sulitka, Ivan Soukup - Mathematics Meets Industry
DATE OR EVENT OF PRESENTATION: December 15, 2015 NUMBER OF PARTICIPANTS: ≈ 15
SPEAKER, INSTITUTIONAL AFFILIATION: Research Center of Manufacturing Technology (RCMT)

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: In our Chapter we try to provide students with information on the use of mathematics in their future careers and what they may need for working in industry. To this end we invited Matěj Sulitka from the Research Center of Manufacturing Technology (RCMT) to speak about the use of mathematics in their projects. Together with Ivan Soukup, they showed us simulation models and introduced us to the the industry of cutting and forming machines.

TITLE OF EVENT OR PRESENTATION: Writing my Bachelor's Thesis in L^AT_EX
DATE OR EVENT OF PRESENTATION: January 9, 2016 NUMBER OF PARTICIPANTS: ≈ 15
SPEAKER, INSTITUTIONAL AFFILIATION: Students of Faculty of Mathematics and Physics

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: The Chapter organised a one day long workshop for students of mathematics, physics and informatics focused on L^AT_EX typesetting and its use for writing a thesis. Since there is a L^AT_EX template for bachelor's and diploma thesis provided by the Faculty of Mathematics and Physics, we decided to help students to grasp the basics of L^AT_EX.

TITLE OF EVENT OR PRESENTATION: Introduction to Programming in MATLAB
DATE OR EVENT OF PRESENTATION: February 15–19, 2016 NUMBER OF PARTICIPANTS: ≈ 15
SPEAKER, INSTITUTIONAL AFFILIATION: Marie Kubínová and Jan Papež

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: A week intensive programming course was organized, again after two years, by Chapter members Marie Kubínová and Jan Papež. The aim of the course was to give a brief introduction to programming in MATLAB with the emphasis on how to solve problems in MATLAB in a smart way. The course was attended by 12 students of various study fields taught at the Faculty of Mathematics and Physics. We also succeeded to spread the information about the event outside our University - the course attracted students from the University of Chemistry and Technology.

TITLE OF EVENT OR PRESENTATION: Field Trip to ELLA-CS, s.r.o.
DATE OR EVENT OF PRESENTATION: March 7, 2016 NUMBER OF PARTICIPANTS: 12
SPEAKER, INSTITUTIONAL AFFILIATION: see the attached sheet "Chapter Highlights"

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: We organised a field trip to ELLA-CS, s.r.o. that is a manufacturer of biodegradable stent, Danis stent for stopping of acute variceal bleeding and esophageal stent extractor. In addition, students learned about internship opportunities in ELLA-CS, s.r.o. The field trip was organized in cooperation with the Faculty of Mathematics and Physics, and Career Centre for Graduates that provided us with a financial support.

TITLE OF EVENT OR PRESENTATION: Help with Choosing a Bachelor's Thesis
DATE OR EVENT OF PRESENTATION: April 27, 2016 NUMBER OF PARTICIPANTS: ≈ 10
SPEAKER, INSTITUTIONAL AFFILIATION: Students of Faculty of Mathematics and Physics

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: This event has similar format as "Meeting with Undergraduate Students". Again, two officers of our Chapter met up with students and tried to promote study programs Mathematical and Computer Modelling in Physics and Engineering, and Numerical and Computational Mathematics. Moreover, they offered their help in selecting bachelor's thesis from those fields.

TITLE OF EVENT OR PRESENTATION: Business Meeting
DATE OR EVENT OF PRESENTATION: May 20, 2016 NUMBER OF PARTICIPANTS: ≈ 20
SPEAKER, INSTITUTIONAL AFFILIATION: Chapter committee

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: At the business meeting we reviewed and recalled the activities of the Chapter in the past year. In addition we celebrated our Chapter's fifth anniversary and elected a new committee that will serve in the academic year 2016/2017.

TITLE OF EVENT OR PRESENTATION: SIAM SC Seminar
DATE OR EVENT OF PRESENTATION: two-week interval NUMBER OF PARTICIPANTS: ≈ 8
SPEAKER, INSTITUTIONAL AFFILIATION: Students of Faculty of Mathematics and Physics

EVENT DESCRIPTION OR PRESENTATION OF ABSTRACT: We held a regular seminar for students interested in topics from applied mathematics. We had eight seminars and two of them were given by

researches working at different institutes. For further information and a complete list of talks see the attached sheet “Chapter Highlights”.

For SIAM NEWS

Please identify special Chapter activities that could be reported in SIAM News:

We would like to suggest the Introduction to Programming in MATLAB to be reported in SIAM News. The details and photographs are given in “Chapter Highlights”.

SIAM Student Chapter Final Report for 2015-2016 Academic Year (page 3 of 3)

Please complete in US dollars

Chapter Name:

CHARLES UNIVERSITY W PRAGUE CHAPTER OF SIAM

	COLUMN 1	COLUMN 2	COLUMN 3
	ACTIVITIES FUNDED BY SIAM	ACTIVITIES FUNDED BY OTHER SOURCES	TOTAL FUNDING FROM ALL SOURCES
INCOME			
SIAM funds received for 2015-2016	\$500.00		\$500.00
SIAM funds carried over from last year			\$0.00
Chapter dues (optional)			\$0.00
Department funds			\$0.00
Student activity funds			\$0.00
Other university funds			\$0.00
Corporate sponsorship (please specify*)			\$0.00
Other (please specify*)			\$0.00
TOTAL INCOME	\$500.00	\$0.00	\$500.00
EXPENSE			
Speakers at Chapter Meetings - travel expenses			\$0.00
Speakers at Chapter Meetings - honorarium			\$0.00
Food & Beverage	\$341.00		\$341.00
Supplies and printing			\$0.00
Marketing, advertising, promotion	\$159.00		\$159.00
Awards - not an allowable SIAM expense			\$0.00
Travel - define on separate sheet of paper - destination, # students, # faculty and brief purpose of trip			
a. One-day field trip (minimum four students) to industry, SIAM Section meeting, or regional SIAM student chapter conference			\$0.00
b. Other travel - not an allowable SIAM expense: travel to meetings, conference registration, hotel			\$0.00
Other (please specify*)			\$0.00
TOTAL EXPENSE	\$500.00	\$0.00	\$500.00
(NET AMOUNT)	\$0.00	\$0.00	\$0.00

Unexpended funds remain the property of SIAM and may be returned to SIAM or may be reallocated to the chapter upon submission and approval of funding request for the following year.

FUNDING GUIDELINES

Allowable expenses include honoraria or travel for a speaker invited to address the chapter, light food and beverage at chapter meetings; copying and printing promotion information on the chapter and its activities; one day field trips (minimum four students) to industry, SIAM section meeting or regional SIAM student chapter conference. Any requests for travel must include details: destination, purpose of trip, and the number of student and faculty participants.

Non allowable expenses include awards, prizes, registration for conferences, individual travel to meetings, hotel accommodations. Please note that Chapter funds cannot be used for the attendance at SIAM meetings, other than a field trip as described above, nor to attend meetings organized by other professional societies. Other types of expenditures may be requested, but require prior approval.

SIGNATURE FACULTY ADVISOR 	6/23/2016 DATE
SIGNATURE CHAPTER PRESIDENT, SECRETARY, OR TREASURER 	JAN KUŘÁTKO (president) NAME (PLEASE PRINT) CHAPTER PRES, SEC, OR TREAS

By June 30, 2016, please sign and submit pages 1, 2, and 3 to:

Nancy Snell, Membership Coordinator

Society for Industrial and Applied Mathematics (SIAM) / 3600 Market Street, 6th Floor, Philadelphia, PA 19104-2688

Phone: +1-215-382-800 x 320 Fax: +1-215-386-7999 Email: nes@siam.org

Detailed expenses

In the table we present in detail how much money we spent on each event for the refreshment from the entry *Food & Beverage*.

Event	Spent
Meeting with undergraduate students	\$14
Meeting with candidates applying for a research grant	\$14
Field Trip to ELLA-CS, s.r.o.	\$10
Introduction to Programming in MATLAB	\$37
Writing my Bachelor's Thesis in L ^A T _E X	\$7
Matěj Sulitka - Mathematics Meets Industry	\$22
Business meeting	\$112
SIAM SC Seminar	\$125

For marketing, advertising, and promotion we have spent \$159. We did not use any money for printing the posters, leaflets, etc., because Faculty of Mathematics and Physics enabled us to print them free of charge.