

# ICCHP Summer University 2016 – programme

## Schedule scheme of Saturday and Sunday

8:30 – 9:00	<b>Morning plenary session</b>
9:00 – 9:15	Mini break
9:15 – 10:30	<b>Morning workshops 1</b> (two for students, one for professionals)
10:30 – 11:00	Coffee break
11:00 – 12:15	<b>Morning Workshops 2</b> (two for students, morning ws. 1 swapped)
12:15 – 13:45	Lunch
13:45 – 14:15	<b>Afternoon plenary session</b>
14:15 – 14:30	Mini break
14:30 – 15:45	<b>Afternoon workshops 1</b> (two for students, one for professionals)
15:45 – 16:15	Coffee break
16:15 – 17:30	<b>Afternoon workshops 2</b> (two for students, afternoon ws. 1 swapped)

## Schedule scheme of Monday and Tuesday

8:30 – 9:00	<b>Morning plenary session</b>
9:00 – 9:15	Mini break
9:15 – 10:30	<b>Morning workshops 1</b> (two for students, one for professionals)
10:30 – 11:00	Coffee break
11:00 – 12:15	<b>Morning Workshops 2</b> (two for students, morning ws. 1 swapped)
12:15 – 13:45	Lunch
13:45 – 15:00	<b>Afternoon workshops 1</b> (two for students, one for professionals)
15:00 – 15:30	Coffee break
15:30 – 16:45	<b>Afternoon workshops 2</b> (two for students, afternoon ws. 1 swapped)
17:00 – cca 18:30	<b>Lab session</b> (Monday) / <b>Wrap-up session</b> (Tuesday)

## Topics of the days

### Track for Students

- Saturday morning: **Stimulation**
- Saturday afternoon: **Mainstream Tools**
- Sunday morning: **Archimedes – Case Study**
- Sunday afternoon: **Graphics – part 1**
- Monday morning: **Graphics – part 2**
- Monday afternoon: **LaTeX**
- Tuesday morning: **Statistics/Computing – part 1**
- Tuesday afternoon: **Statistics/Computing – part 2**

### Track for Professionals/Teachers

- Saturday morning: **Stimulation**
- Saturday afternoon: **Lab Access**
- Sunday morning: **Archimedes – Case Study**
- Sunday afternoon: **Converting Math**
- Monday morning: **Graphics – part 1**
- Monday afternoon: **Graphics – part 2**
- Tuesday morning: **Low Vision Students and Math – part 1**
- Tuesday afternoon: **Low Vision Students and Math – part 2**

## Friday 8th July

arrivals; opening session starts at **16:30** in **Sommerhaus Hotel**

- Welcome address (by Klaus Miesenberger)
- Introduction to organization of the Summer University
- Opening lecture – Problems of Reading and Writing Math (by Dominique Archambault)
- Introduction of workshop leaders and their workshops
- Introduction of participants
- Software installation check (for workshop leaders)
- Welcome party (sandwiches, wine and beer)

## Saturday 9<sup>th</sup> July

**8:30 – 9:00**

### **Saturday Morning Plenary**

Effectiveness and Efficiency of Blind Students at University: Lessons from Experience (by Jonathan Godfrey)

**9:15 – 10:30**

### **Saturday Morning Workshops for Students 1 (Stimulation)**

Laboratory Access (by Cary Supalo)  
Using Markdown (by Jonathan Godfrey)

**9:15 – 10:30**

### **Saturday Morning Workshop for Professionals (Stimulation)**

Typical Mathematical Problems in University Studies (by Lukas Masilko, Jiri Pecl)

**11:00 – 12:15**

### **Saturday Morning Workshops for Students 2 (Stimulation)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**13:45 – 14:15**

### **Saturday Afternoon Plenary**

Personal Perspective of a Blind Person on Accessing and Presenting Math (by Voica Gavrilit)

**14:30 – 15:45**

### **Saturday Afternoon Workshops for Students 1 (Mainstream Tools)**

Reading Mainstream Math (MS Office, Web, E-Books) (by Bernhard Stöger)  
Understanding and Writing LaTeX (by Thorsten Schwarz)

**14:30 – 15:45**

### **Saturday Afternoon Workshop for Professionals**

Overview of Providing Lab Access (by Cary Supalo)

**16:15 – 17:30**

### **Saturday Afternoon Workshops for Students 2 (Mainstream Tools)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

## Sunday 10<sup>th</sup> July

**8:30 – 9:00**

### **Sunday Morning Plenary**

Archimedes History – a Case Study of Math Accessibility (by Masakazu Suzuki)

**9:15 – 10:30**

### **Sunday Morning Workshops for Students 1 (Archimedes – Case Study)**

Solving Archimedes with ChattyInfty (by Katsuhito Yamaguchi)

Solving Archimedes in Word+MathType (by John Gardner)

**9:15 – 10:30**

### **Sunday Morning Workshop for Professionals (Archimedes – Case Study)**

Archimedes – Authoring and Converting Math for the Web (by Svatoslav Ondra)

**11:00 – 12:15**

### **Sunday Morning Workshops for Students 2 (Archimedes – Case Study)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**13:45 – 14:15**

### **Sunday Afternoon Plenary**

Problems with Accessing Graphics (by Lukas Masilko, Petr Cervenka)

Preface to MathMusic – topic of minilab today (by Tomer Behor)

**14:30 – 15:45**

### **Sunday Afternoon Workshops for Students 1 (Graphics – part 1)**

How to Read Tactile Graphics – Part 1 (by Gerhard Jaworek)

Reading Audio-Tactile Graphics (by John Gardner)

**14:30 – 15:45**

### **Sunday Afternoon Workshop for Professionals (Converting Math)**

Converting Math with InftyReader – Masakazu and Katsuhito

**16:15 – 17:30**

### **Sunday Afternoon Workshops for Students 2 (Graphics – part 1)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**16:00 – 18:30**

### **Sunday Afternoon Minilab (with the last workshop in parallel)**

MathMusic: A Novel Platform for Teaching Graphs to Visually Impaired Pupils Using Sensory Substitution (by Tomer Behor)

## Monday 11<sup>th</sup> July

**8:30 – 9:00**

### **Monday Morning Plenary**

Converting Graphics to Accessible Format (by Thorsten Schwarz)

**9:15 – 10:30**

### **Monday Morning Workshops for Students 1 (Graphics – part 2)**

Non-Tactual Access to Excel Charts and other Applications (by Akashdeep Bansal and Siddhartha Gupta)

How to Read Tactile Graphics – Part 2 (by Lukas Masilko, Petr Cervenka)

**9:15 – 10:30**

### **Monday Morning Workshops for Professionals (Graphics – part 1)**

Conversion and Design of Graphics to Tactile Format (by Thorsten Schwarz)

**11:00 – 12:15**

### **Monday Morning Workshops for Students 2 (Graphics – part 2)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**13:45 – 15:00**

### **Monday Afternoon Workshops for Students 1 (LaTeX)**

Writing and Compiling LaTeX Using TeXnic Center (by Gerhard Jaworek)

Writing and compiling Math with LaTeX (by Thorsten Schwarz)

**13:45 – 15:00**

### **Monday Afternoon Workshop for Professionals (Graphics – part 2)**

Conversion of Graphics to Audio-Tactile Format (by John Gardner)

**15:30 – 16:45**

### **Monday Afternoon Workshops for Students 2 (LaTeX)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**17:00 – 18:30**

### **Monday Afternoon – Summer University Lab**

Introduction of Lab Presenters

List of Lab activities:

- Access to Astronomy for the Blind (by Gerhard Jaworek)
- Access to Chemical Molecular Diagrams (by Volker Sorge)
- Programming with Arduino (by Tim in 't Veld)

## Tuesday 12<sup>th</sup> July

**8:30 – 9:00**

### **Tuesday morning Plenary**

Statistical Software for Blind Students (by Jonathan Godfrey)

**9:15 – 10:30**

### **Tuesday Morning Workshops for Students 1 (Statistics/Computing – part 1)**

Statistics with the Application R (by Jonathan Godfrey)

Algebraic Solutions with Maxima (by Bernhard Stöger)

**9:15 – 10:30**

### **Tuesday Morning Workshop for Professionals (Low Vision Students and Math)**

Access to Math for Low Vision Students (by Lukas Masilko, Jiri Pecl)

**11:00 – 12:15**

### **Tuesday Morning Workshops for Students 2 (Statistics/Computing – part 1)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**13:45 – 15:00**

### **Tuesday Afternoon Workshops for Students 1 (Statistics/Computing – part 2)**

Computing with Octave (by Bernhard Stöger)

Creating Graphics with R and Other Accessible Applications (by Jonathan Godfrey)

**13:45 – 15:00**

### **Tuesday Afternoon Workshops for Professionals (Low Vision Students and Maths)**

Conversion of Documents to Format for Low Vision Students (by Thorsten Schwarz)

**15:30 – 16:45**

### **Tuesday Afternoon Workshops for Students 2 (Statistics/Computing – part 2)**

*the same two workshops as #1 – groups swapped; professionals are welcome*

**17:00 – 18:30 as the latest**

### **Tuesday Afternoon Wrap-up Session**