



ISOTDAQ 2012

3rd International School
OF TRIGGER AND DATA ACQUISITION

1-8 February 2012, Cracow, Poland

Welcome to Kraków



Honorary auspices of the Mayor
of the Royal City of Cracow
Professor Jacek Majchrowski

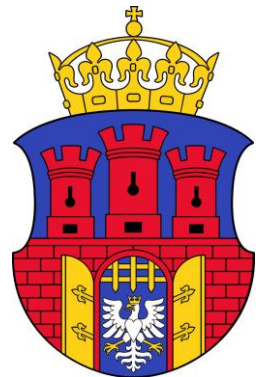


Honorary auspices of the Marshal
of Małopolska
Marek Sowa

Introduction to ISOTDAQ 2012

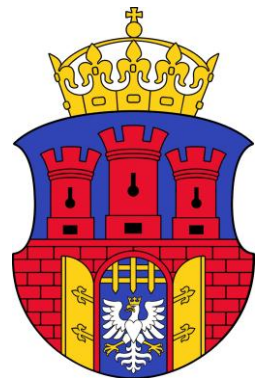
K.Korcyl

PK & IFJ PAN Kraków



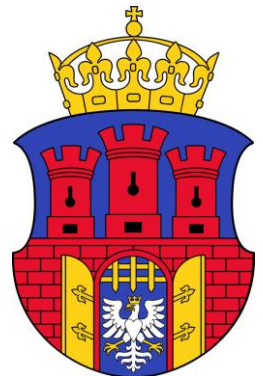
On behalf of the Organizing Committee

Welcome to ISOTDAQ 2012



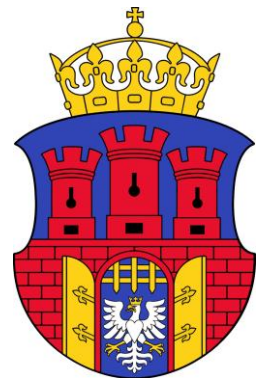
Aim of the school

- Introduce the basics of Trigger and Data acquisition
 - Simple systems as building blocks for complex systems
- Expose the students to a maximum variety of topics
 - Being compatible with the available time
- Show how the “real world” works
 - Through hands-on practical experience
- TDAQ examples from small and large experiments
 - How to build TDAQ architectures
 - Using the building blocks to build and scale systems



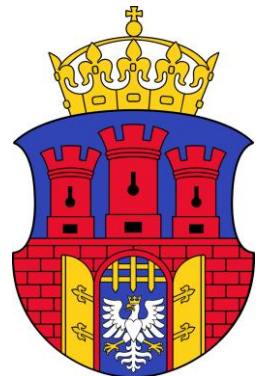
Plan of the school

- Time dedicated to
 - Theoretical lectures (~42%)
 - Lab exercises (~42%)
 - Social events - Sunday afternoon (~ 8 %)
 - Sunday Morning: free!



Preliminary material

- We sent preliminary material
 - Including exercises to be completed
 - Main ideas:
 - Insure a minimal common programming background
 - Ask for a precise programming style
 - » C is not C++
 - » Procedural is not OO
 - » ...
 - Do not mask HW behavior
 - Weak feedback observed
 - Exercises will be discussed during the school



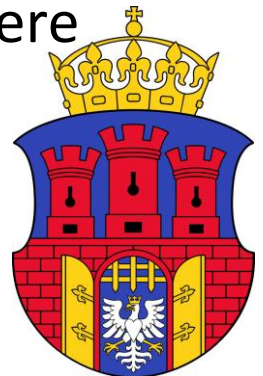
What and where

- All lectures will be in the central lecture hall at the second floor (F201)
- Labs will be:
 - In the electronics lab on the ground floor (F020)
 - In the computer lab on the 1st floor (F112)
- Coffee breaks and lunches
 - In the ground floor hall (F003 – we are here now)
- Registration till midday today
 - Ground floor corridor
 - Late registration via direct contact with organizers



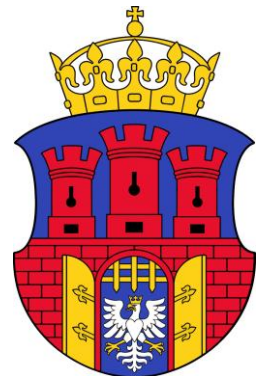
Registration

- Ground floor, in the corridor
 - Collection of badges
 - Folder with notebook and touristic information
 - Lab books
 - T-shirts (check the size – limited exchange possible)
 - Payment receipts and certifications of attendance will be distributed at the end of the school
 - Please register ASAP and let us know that you are here



How to find your exercise

- You are divided in groups of 4
 - Your group number is sticked onto your folder
 - Groups rotate through the exercises
 - Each exercise lasts 2 hours
- A “Sudoku” time table is shown
 - in this room
 - in both labs
 - downloadable „Excercises plan” from the school timetable website
- Three step process to find your exercise:
 1. In the leftmost column find a row with requested day/time
 2. In located row find a column with your group number
 3. The title of the column tells your exercise and the room number
 - Exercise locations are:
 - ground floor (F020) (exercise: 5, 6, 7, 10, 11)
 - 1st floor (F112) (exercise: 1, 2, 3, 4, 8, 9, 12)



How to find your exercise

ISOTDAQ 2012 Lab plan

Day Session	Ex1 F112	Ex1 F112	Ex2 F112	Ex2 F112	Ex3 F112	Ex3 F112	Ex4 F112	Ex4 F112	Ex5 F020	Ex6 F020	Ex7 F020	Ex8 F112	Ex9 F112	Ex10 F020	Ex11 F020	Ex12 F112
Th 14:00	G:3, T:ACS	G:4, T:MJ	G:1, T:WV	G:2, T:FP	---	---	---	---	G:5, T:DG	G:6, T:HS	G:7, T:AV	G:8, T:ADS	G:9, T:EB	G:10, T:JC	G:11, T:SB	G:12, T:GLM
Th 16:30	---	G:5, T:ACS	G:3, T:WV	G:4, T:FP	---	G:2, T:LO	---	---	G:6, T:DG	G:7, T:SB	G:8, T:AV	G:9, T:ADS	G:10, T:EB	G:11, T:JC	G:12, T:GK	G:1, T:GLM
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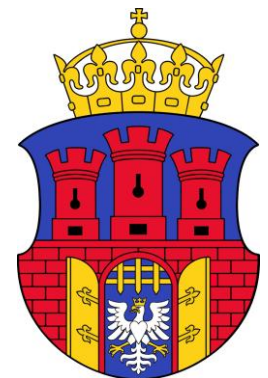


Sudoku in action

Example: *Find an exercise at Saturday 16:30 for the group number 12*

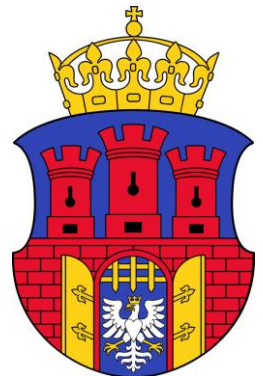
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Social events on Sunday afternoon

- Excursion to Wieliczka Salt Mine
 - Buses will depart from Nawojka hostel at 14:00
 - Virtual visit: <http://www.kopalnia.pl>
 - Please register on our Doodle page <http://www.doodle.com/kkf9fdin795z6xhm>
- Social dinner
 - Planned after the return from Wieliczka (18:00 - 19:00)
 - Virtual visit: <http://www.podwawelem.eu>
 - Please register on our Doodle page <http://www.doodle.com/ui2x4k2w72dvxc9r>
- Trip to Auschwitz-Birkenau
 - Please register on our Doodle page
 - <http://www.doodle.com/vgtbn6gadi3g3k6g>
- Voting on all events closes on Friday midday



Ideas for dinner

- Canteen

- Canteen in Nawojka closes at 18:00
- If ~15 students want to have dinner in the canteen it can stay open till 19:30
- Voting via doodle till the end of the morning coffee break each day.
 - <http://www.doodle.com/tzc86y95iytn5d4i>
- Cost : 15 PLN

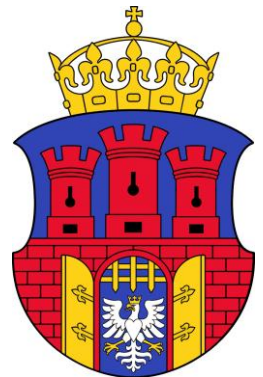
- Going out (we warn you about cold nights!)

- Different types of restaurants in the old city center
- Some suggestions follow at the backup slides
- Cost: starts from 30 PLN



Enjoy the school!

- Feel free
 - To ask questions and stimulate discussion
- Coffee break and lunch
 - Are also good time to discuss



Backup slides

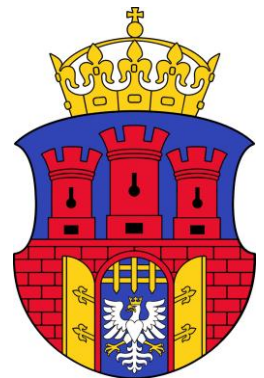
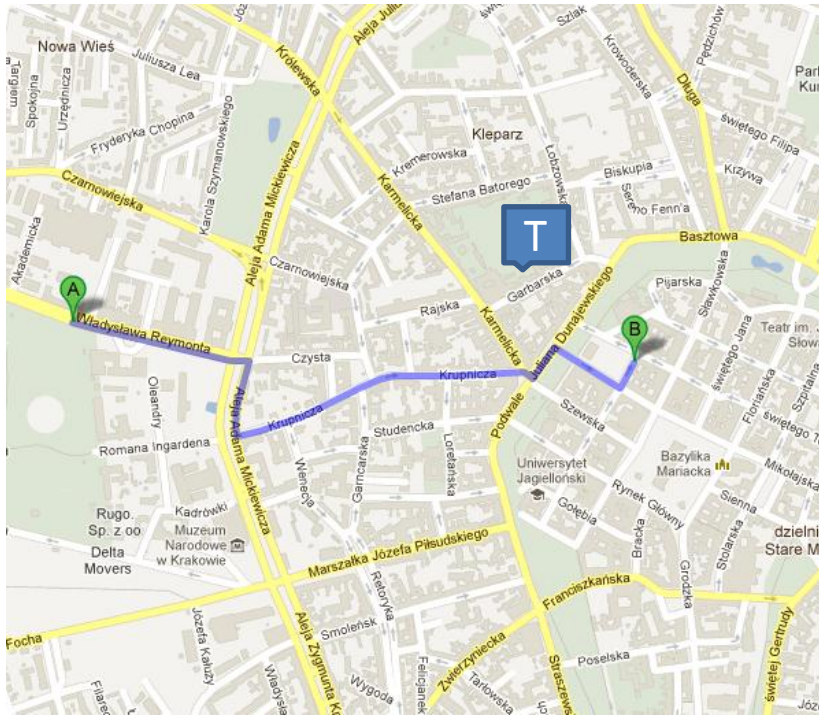


Bursa Pignonia – Tutors' and Lecturers' accommodation



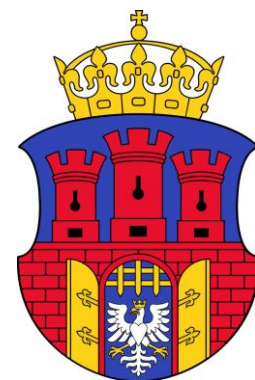
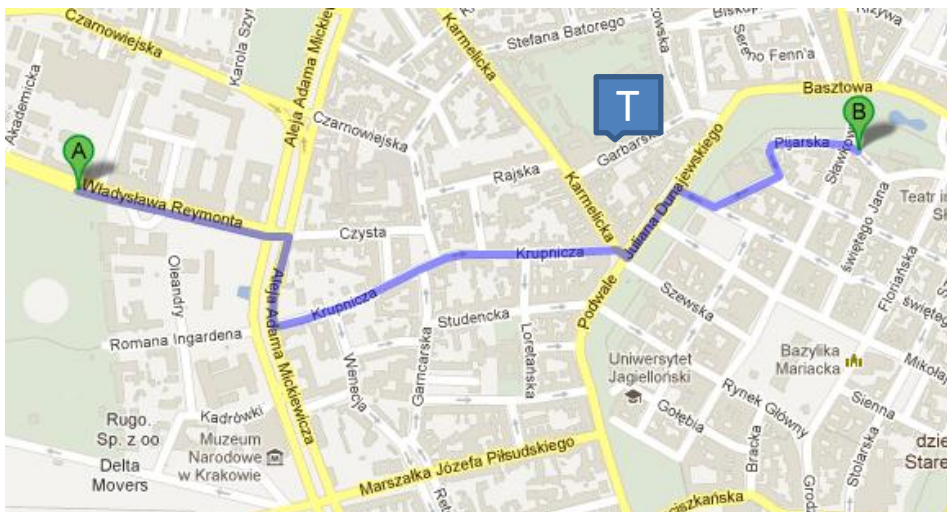
Polish food - Morskie Oko

- Pl. Szczepanski 8



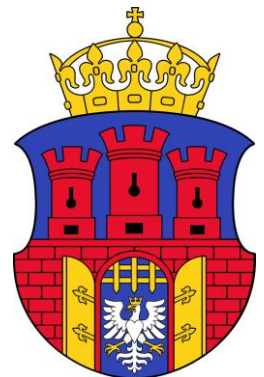
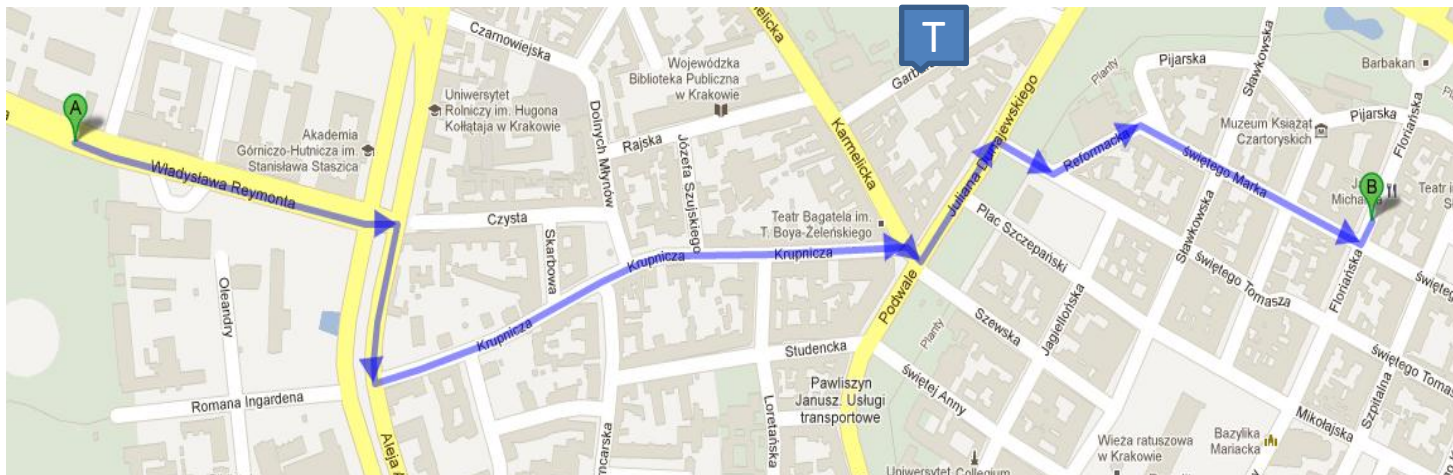
Polish food – Restauracja Galicyjska

- Ul. Pijarska 9



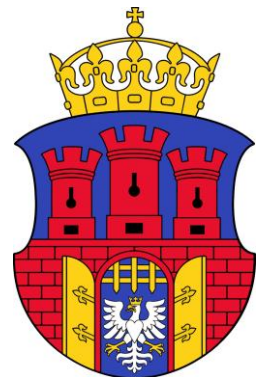
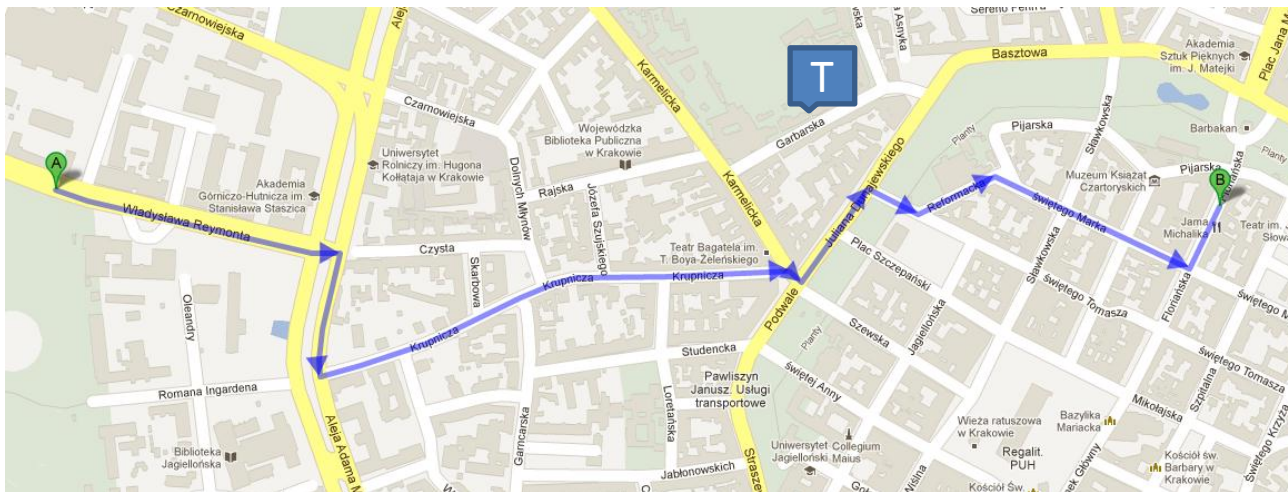
Italian food - Carlito

- Ul. Florianska 28



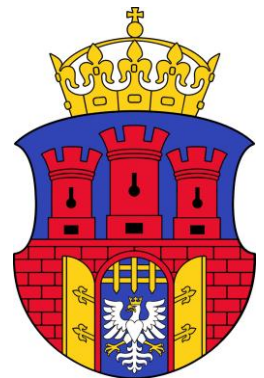
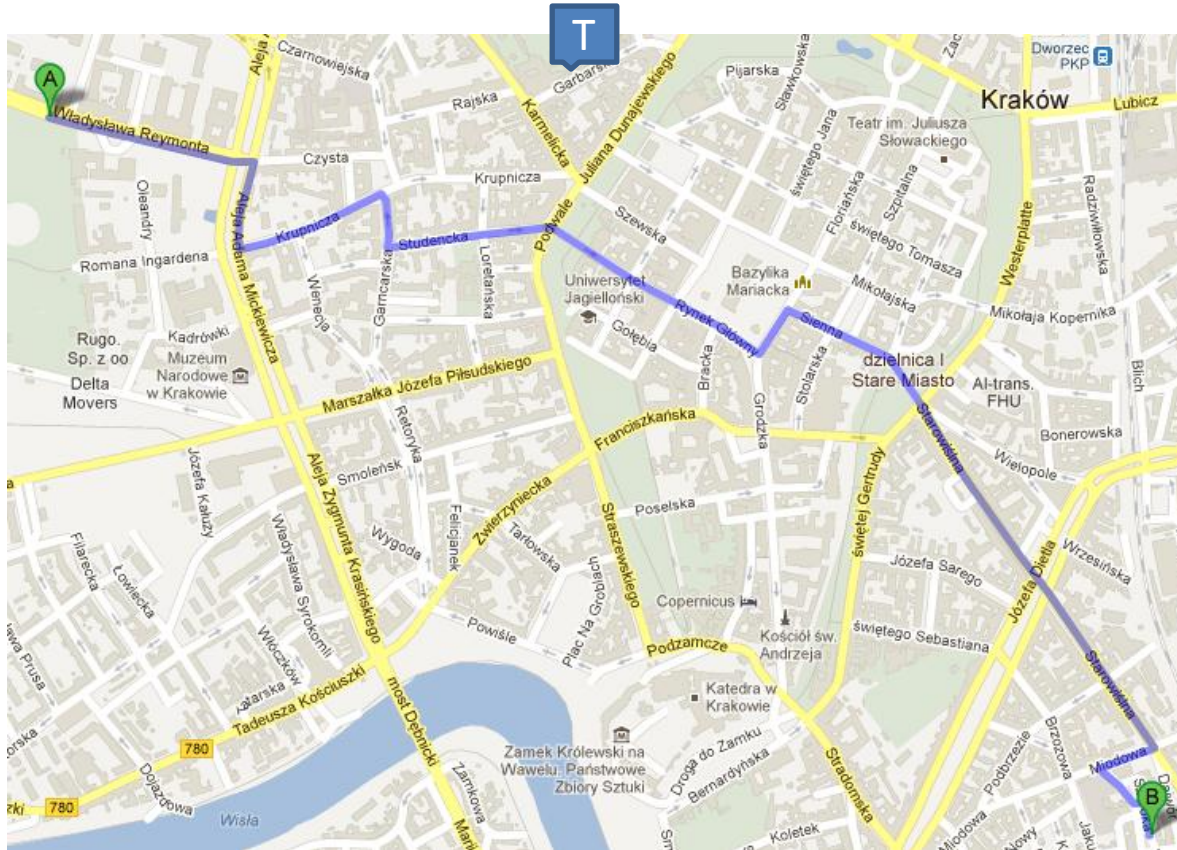
Mexican food – The Mexican

- Ul. Florianska 34



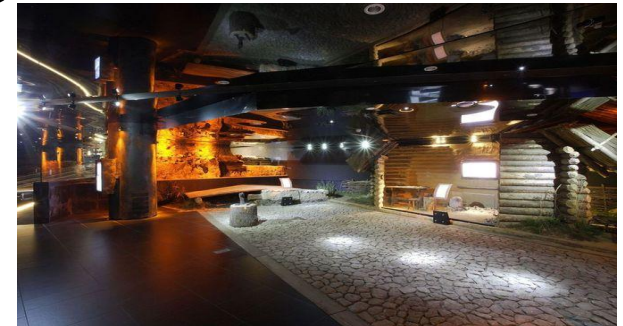
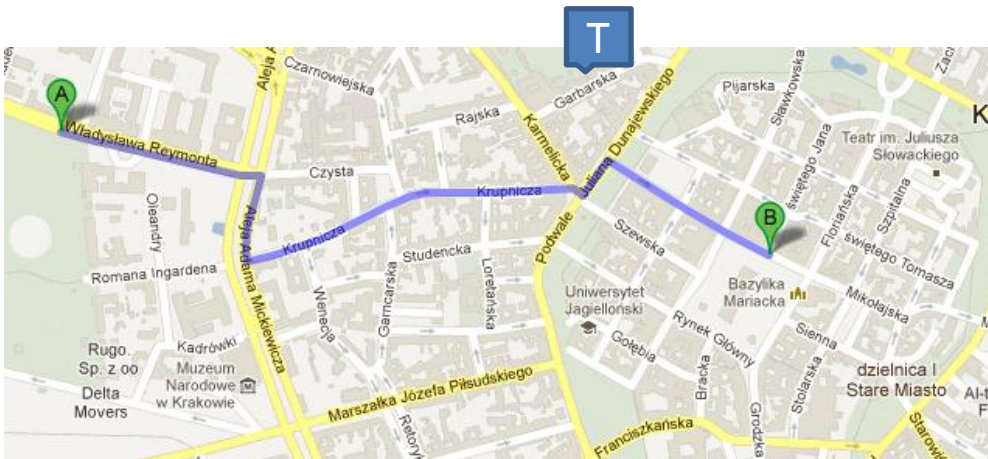
Jewish food - Ariel

- Ul. Szeroka 18



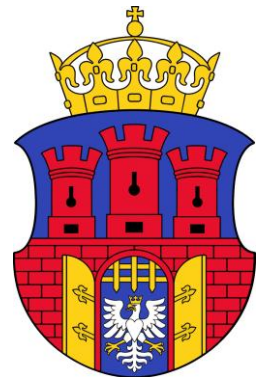
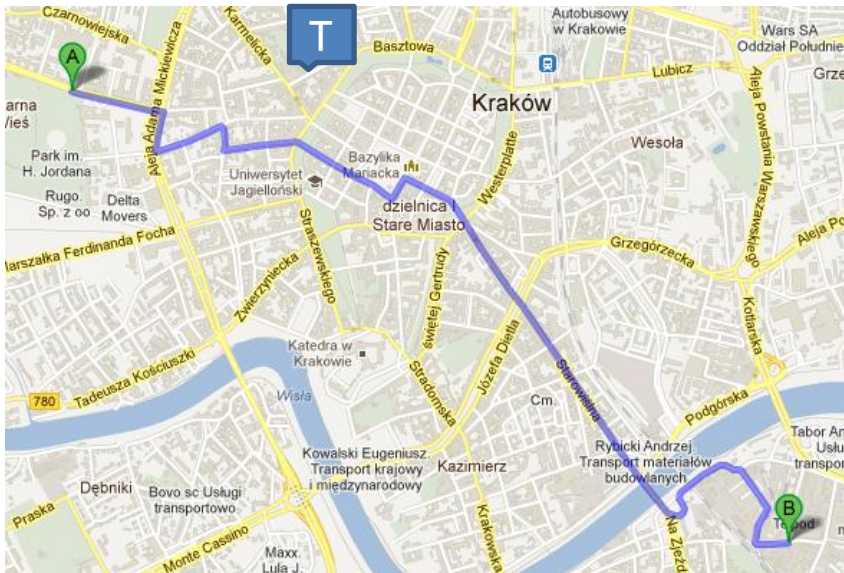
Main Square underground museum

- http://mhk.pl/oddzialy/podziemia_ryнку
- Entrance via „Sukiennice”
- Online ticket reservation suggested



Schindlers Factory museum

- http://mhk.pl/oddzialy/fabryka_schindlera
- „Kazimierz” district – public transport suggested



Wawel Royal castle

- <http://www.wawel.krakow.pl/en/>
- Nice view over the city

