

**12th International Conference
on Multimedia in Physics
Teaching and Learning**

**13-15 September 2007
Wroclaw, Poland**



Third (the last one) Circular (September 2007)

Dear colleagues and friends,

We have prepared the information referring to:

1. Program
2. How to reach the conference place and hotels
3. Conference Diner and Sightseeing tour in Wroclaw
4. Important addresses and telephones

Please remember that all the information is available on MPTL12 www page
<http://www.mptl12.ifd.uni.wroc.pl/>

1. PROGRAM

13.09.2007 - Thursday

9.00 – 11.00	Registration			
11.00 – 11.30	Opening ceremony			
11.30 – 12.20	John W. Belcher	Massachusetts Institute of Technology	The MIT TEAL Simulations and Visualizations in Electromagnetism	Bruce Mason
12.20 – 12.40	Raimund Girwidz	University of Education Ludwigsburg	Multicoding and Interactivity with Computer Visualizations	
13.10 – 13.30	José M. Zamarro	University of Murcia	Learning Quantum Physics Building Simulations	
13.30 – 13.40	Summarizing discussion			
13.40 – 14.30	Lunch			
14.30 – 15.20	Robert Teese	Rochester Institute of Technology	Video Analysis - A Multimedia Tool for Homework and Class Assignments	Wolfgang Christian
15.20 – 15.40	Zuzana Jeskova	Safarik University, Kosice	Video Measurements as a Means of Physical Phenomena Visualization	
15.40 – 16.00	Hermann Härtel	University of Kiel	Use of Computer Supported Material for Better Understanding of Difficult Concepts in Physics	
16.00 – 16.20	Coffee break			
16.20 – 17.10	Leopold Mathelitsch Hansjörg JODL	University of Graz TU-Kaiserslautern	Evaluation of Multimedia Learning Materials in Condensed Matter Physics and Particle Physics	Urban Thümler
17.10 – 17.30	Sasa Divjak	University of Ljubljana	Slovenian Experience with Development and Deployment of SCORM Compliant Courseware	
17.30 – 17.50	Vegard Engström	Simplicatus AS, Løvenstad	SUPERCOMET 2: Teacher Training in Active Learning	
17.50 – 18.10	Libor Konicek	University of Ostrava	Impact of Multimedia Program SUPERCOMET 2 on the Teacher and Pupils	
18.10 – 18.20	Summarizing discussion			
19.00	Welcome party			

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14.09.2007 - Friday

9.00 – 9.50	Hartmut Schmidt	University of Applied Sciences Darmstadt	Multimedia in Testing Industrial Products	Józefina Turlo
9.50 – 10.10	Lech Mankiewicz	Polish Academy of Science, Warsaw	Hands-On Universe. Bringing Modern Astronomy to Teachers	
10.10 – 10.30	Paweł Barczyński Piotr Skurski	University of Łódź	Gliding over Physics	
10.30 – 10.50	Stefano Oss	University of Trento	Physics of Flight Through Flight Simulation	
10.50 – 11.00	Summarizing discussion			
11.00 – 11.20	Short presentations (2 min.) of interactive posters - session A			
11.20 – 11.35	Coffee break			
11.35 – 13.00	Poster session A			
13.00 – 14.00	Lunch			
14.00 – 14.50	Wolfgang Christian Francisco Esquembre	Davidson College University of Murcia	Modelling Science with Open Source Physics and Easy Java Simulations	Sasa Divjak
14.50 – 15.10	Peppino Sapla	University of Calabria	MM vs. Traditional Recitations in Teaching/Learning Geometrical Optics: an Italian School Network Investigation	
15.10 – 15.30	Oliver Zajkov	University of Sts Cyril and Methodius, Skopje	Is there Enough Time for Hypermedia in the Physics Classroom?	
15.30 – 15.50	Gerd Kortemeyer	Michigan State University	LON-CAPA: Open Source Course Management and Assessment System	
15.50 – 16.00	Summarizing discussion			
16.00 – 16.20	Short presentations (2 min.) of interactive posters – session B			
16.20 – 16.35	Coffee break			
16.35 – 18.00	Poster session B			
20.00	Conference dinner			

15.09.2007 – Saturday – first morning session in “Multicentre”, pl. Teatralny 5

9.30 – 9.50	Anna Konieczna Robert Konieczny	Multicentre, Wrocław	Wrocław Interactive Educational Centre	Hansjörg Jodl
9.50 – 10.10	Marek Szymański	Warsaw University of Technology	Virtual Physics Laboratory - selected topics	
10.10 – 10.30	Frank Schweickert	University of Amsterdam	Data Logging for Primary Schools	
10.30 – 10.40	Summarizing discussion			
10.40 – 11.30	Coffee break and transportation to Lecture Hall at the Institute of Experimental Physics			
11.30 – 12.20	Fu-Kwun Hwang	National Taiwan Normal University	Integrating Java Simulations into Physics Teaching and Learning	Leopold Mathelitsch
12.20 – 12.40	Józefina Turlo	Nicolaus Copernicus University, Toruń	Multimedia versus Microcomputer Based Laboratory Methods and Tools in Science Education	
12.40 – 13.00	Closing ceremony and invitation to MPTL 13			
13.00 – 13.40	Lunch			
13.45	Sightseeing tour in Wrocław			

2. HOW TO REACH THE CONFERENCE PLACE AND HOTELS

The map below shows the centre of town – Conference Hall at the Institute of Experimental Physics (pl. Maxa Born 9), Conference Dinner location, some nearby hotels and important bus/tram stops are marked.

More detailed map of a much bigger part of Wrocław could be downloaded from conference web page (size 6,5 Mb) at <http://www.mptl12.ifd.uni.wroc.pl/location.html>



The **Copernicus International Airport Wrocław** is located 10 kilometres away from the town centre. The centre of town could be reached by taxi (fare - about 60 pln (15 euro)) or by bus. Bus line 406 from Airport (LOTNISKO) to Central Railway Station (DWORCOWA) runs:

- week day (dni robocze) every 20-30 minutes,
- holidays (dni wolne) every 40 minutes.

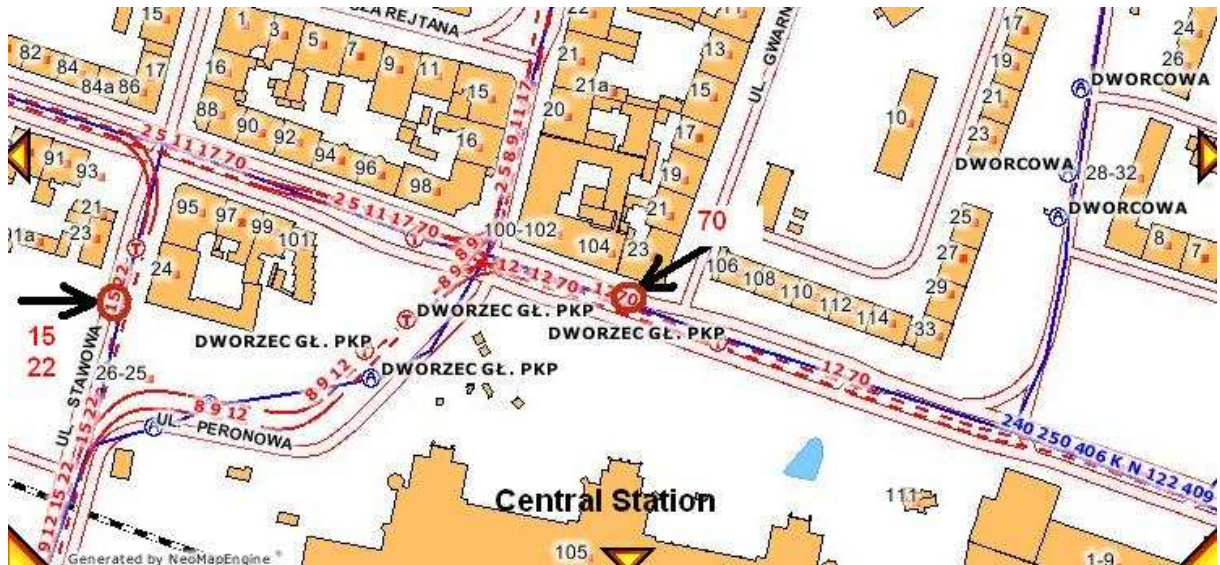
Normal one way ticket (bilet normalny) costs 2 pln (~0,5 Euro) and could be purchased in the airport hall. The table shows detailed information about bus departure from airport to Central Railway Station (Wrocław Główny) – stop DWORCOWA.

406 : LOTNISKO -> DWORCOWA																	
w dni robocze																	
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22N	21N	21	12	06N	06	06	06N	06	17	17N	17	12	06N	06	00	28	28
52	51	51N	36	36	36N	36	36	47N	47	47	47N	36	36	36N	28	58N	58zN
															58N		

z – do not take the last bus at 22:58 , N – low-floor bus.

From Central Railway Station (Wrocław Główny) you may reach the conference place (Institute of Experimental Physics) and your hotel by taxi (the largest distance - to Wieniawa hotel - should cost not more than 30 pln (~7,5 euro) or by tram:

- To the conference place** (and the hotel Campanile) trams number 15 or 70 should be taken. Normal one way ticket costs 2 pln (~0,5 Euro) and could be purchased on Central Station Hall. The map below shows tram stops in front of Central Station, their paths and numbers. The arrows indicate stops to get in the trams.



The tram 15 goes in the direction of MARINO – the list below shows stops on its way to the Institute of Experimental Physics (and hotel Campanile).

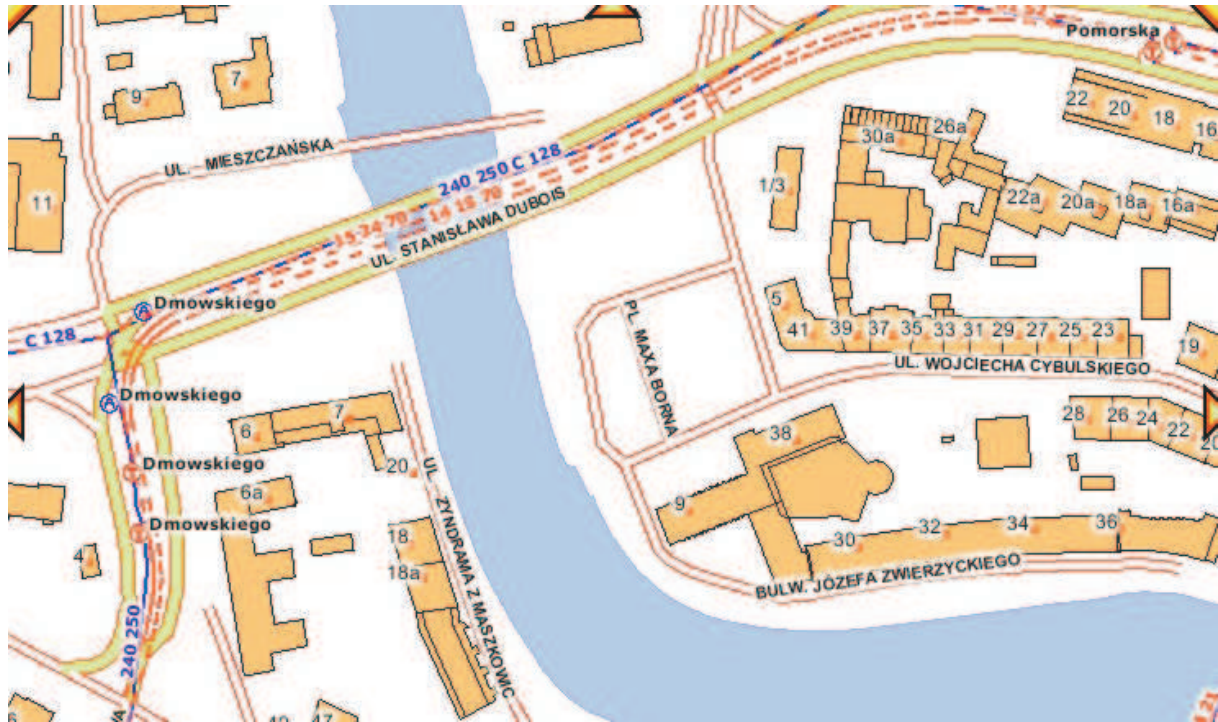
Stawowa	12. DWORZEC GŁ. PKP
Piłsudskiego	13. Arkady
Piłsudskiego	14. pl. Legionów
Piłsudskiego	15. pl. Orłąt Lwowskich
Podwale	16. PL. JANA PAWŁA II
Jagielły	17. Dmowskiego
Dubois	18. Pomorska

Please get off the tram at the stop DMOWSKIEGO, then go through the bridge to the opposite site of the river, turn to the right in the direction of a rather big square (parking) - Pl. Maxa Borna - in front of the Institute. When you miss the stop then leave at the next stop POMORSKA, go back about 150 metres in the direction of the big square passed by on your right.

Piłsudskiego	5. DWORZEC GŁ. PKP
Piłsudskiego	6. Arkady
Piłsudskiego	7. pl. Legionów
Piłsudskiego	8. pl. Orłąt Lwowskich
Podwale	9. PL. JANA PAWŁA II
Jagielły	10. Dmowskiego
Dubois	11. Pomorska

The tram 70 goes in the direction of BISKUPIN and the list below shows stops on its way to the Institute (and hotel Campanile). Please leave the tram at the same stops (DMOWSKIEGO or POMORSKA) as tram no. 15.

The map below shows tram (T) and bus (A) stops near the institute.



- The hotels in the Centre of town** (Dikul, Zaulek, Duet) could be reached by the same trams 15 and 70 from the stop PL. JANA PAWŁA II within walking distance according to the first map of the centre of the town. To Dikul hotel go along the street Sw. Mikołaja, turn to the left to Nowy Swiat, turn to the left to Cieszyńskiego, go 60 metres along the street.

To Dikul and Zaulek you may take tram 22, from the same stop at Central Station as tram 15, to PILCZYCE direction – the tram comes closer to the hotels. The tram goes through the stops:

Stawowa	12. DWORZEC GŁ. PKP
Piłsudskiego	13. Arkady
Piłsudskiego	14. pl. Legionów
Sądowa	15. Podwale
Kazimierza Wik.	16. Rynek

The last stop RYNEK is indicated on the first map of the centre of the town.

- The hotel Wieniawa** could be reached with tram 15 or 70 and then with the bus 144 – for the bus you need a second ticket of the same kind and price as for tram. You should leave the tram at the stop PL. LEGIONÓW and take bus 144 in the direction WOJSZYCKA. The bus stops in front of the hotel Wieniawa and goes through the stops listed below:

Piłsudskiego	15. pl. Legionów
Zielińskiego	16. Piłsudskiego
Zielińskiego	17. Zielińskiego
Gajowicka	18. Zaporoska
Gajowicka	19. Krucza
Gajowicka	20. Gajowicka

To travel from hotel Wieniawa to the Institute of Experimental Physics the bus 144 in direction KAMIŃSKIEGO – SZPITAL should be used. The bus goes through the stops listed below.

Gajowicka	7. Gajowicka
Gajowicka	8. Krucza
Gajowicka	9. Żelazna
Szczęśliwa	10. Zaporoska
Zielińskiego	11. Zielińskiego
Zielińskiego	12. Piłsudskiego
Sądowa	13. pl. Legionów
Podwale	14. pl. Orłąt Lwowskich
Ruska	15. PL. JANA PAWŁA II
Kazimierza Wlk.	16. Rynek
Drobnera	17. Dubois

Please get off the bus at the stop DUBOIS, which is indicated on the first map of the centre of the town. It is 8 minutes walk to the Institute of Experimental Physics from the stop.

Participants staying at Wieniawa hotel may use a special bus for transportation:

date	departure	from	to
13.09.07	20.30	Conference place	Wieniawa hotel
14.09.07	8.15	Wieniawa hotel	Conference place
15.09.07	8.45	Wieniawa hotel	Multicentre

3. CONFERENCE DINNER AND SIGHTSEEING TOUR IN WROCLAW

Conference dinner is organized Friday evening, 8 p.m. in the Market Square (Rynek 5) in the restaurant “Dwor Polski”.

Sightseeing tour in Wroclaw starts from the conference place, on Saturday, at 13.45. During the walk you will visit main building of the University of Wroclaw with the pearl of Lower Silesian Baroque – Aula Leopoldina, Rynek (Market Square) – the heart of the city and Ostrow Tumski - the oldest part of Wroclaw with its numerous churches and gothic cathedral. The walk should finish about 5 p.m. but you may leave the group earlier if you don't have enough time. The walk is **free of charge**.

4. IMPORTANT ADDRESSES AND TELEPHONES

Conference place:

Institute of Experimental Physics
pl. Maksa Borna 9
50-204 Wrocław, Poland

Saturday morning session:
Mediateka, pl. Teatralny 5

Hotels:

Centrum Dikul
Ul. Cieszyńskiego 17-19, 50-136 Wrocław, tel./fax. +48 71 796 77 66

Zaulek Hotel:
ul. Garbary 11, 50-115 Wrocław, tel. +48 71 341 00 46(49,52)

Wieniawa Hotel
ul. Gajowicka 130, 52-322 Wrocław, tel. +48 / 71 / 780 90 00, +48 / 71 / 362 63 33

Telephones:

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We are looking forward to seeing you in Wrocław

Ewa Dębowska
Tomek Greczyło