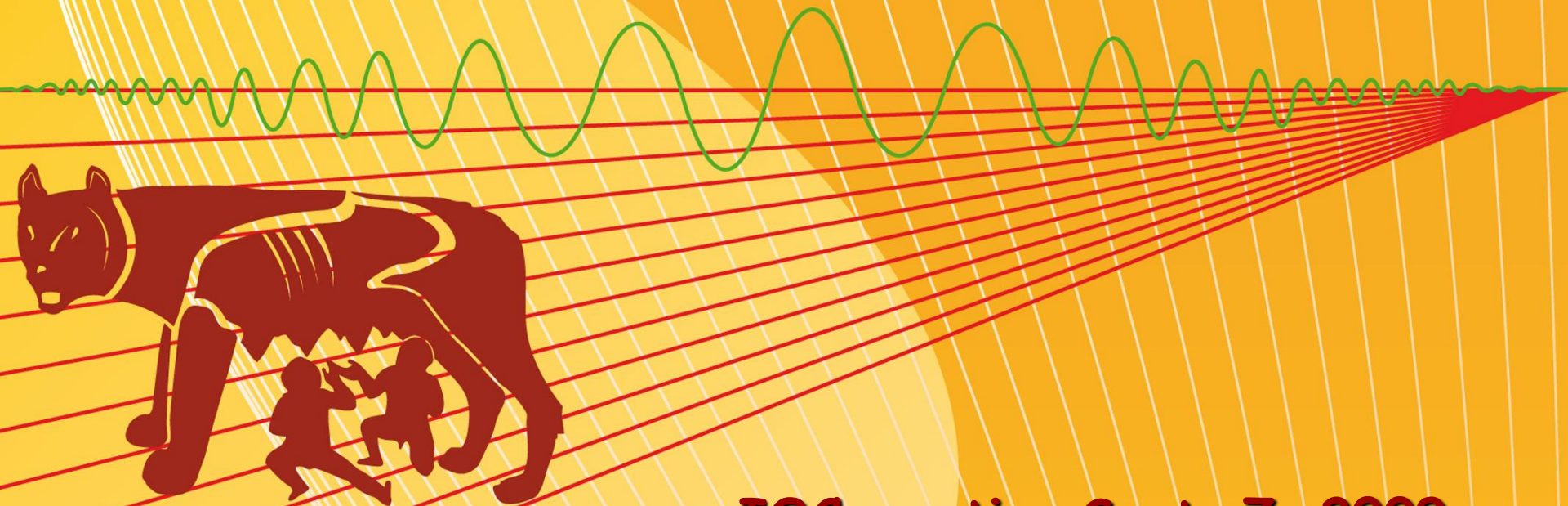


Update on 2010 Conference

IRMMW-THZ 2010

35TH INTERNATIONAL CONFERENCE ON
INFRARED, MILLIMETER AND TERAHERTZ WAVES



IOC meeting Sept. 7, 2009

A key to success !

CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES
ROME - ITALY



MAJOR TOPICS

- IR, THz, and MMW Spectroscopy
- Laser driven THz Sources
- Quantum Cascade Lasers
- Gyro-Oscillators and Amplifiers, Plasma Diagnostics
- Free Electron Lasers and Synchrotron Radiation
- Detectors and Receivers
- Instruments, Devices and Components
- MMW systems, Transmission Lines and Antennas
- Ultra-fast Measurements
- Plasma Diagnostics
- IR, THz and MMW Spectroscopy and Material Properties
- Ultra High Speed MMW Digital Devices
- MMW and Submillimeter-Wave Radar and Communications
- IR, THz and MMW Astronomy and Environmental Science
- IR, THz and MMW Imaging and Remote Sensing
- IR, THz and MMW Conservation studies





IRMMW-THz 2010

Angelicum Congress Center

© 2009 Europa Technologies
© 2009 Tele Atlas

©2009 Google

65 m

Data di acquisizione delle immagini: 29 Lug 2007

41°53'43.70" N 12°29'16.75" E 49 m elev

278 m Alt

Puntatore 41°53'04.73" N 12°30'12.62" E elev 46 m

Streaming 100%

Image © 2007 TerraMetrics

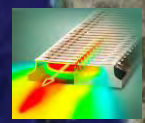
Alt 25.69 km



CNR - Ist. Fisica del Plasma, Milano

MMW in plasma

Scuola Normale Superiore di Pisa



IRMMW-THz 2010

ENEA-Frascati

Università di Bari



400 km
Puntatore 42°01'02.11" N 13°10'24.58" E

© 2007 Cnes/Spot Image
Image © 2007 GeoContent
Image NASA
Image © 2007 TerraMetrics
Streaming ||||| 100%

© 2007 Google™

Alt 1267.42 km

Borgo di Tragliata



IRMMW-THz 2010



Colosseum



Università di Roma "La Sapienza"

CNR - Ist. Fotonica e Nanotecnologie



Roma "Tor Vergata"

CNR - Tor Vergata



ENEA-Frascati



FEL-CATS



Ciampino

Grottaferrata

Marino

Rocca di Papa

Albano Laziale

Ariccia

Genzano di Roma

Fiumicino



Ostia Antica

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Image © 2009 DigitalGlobe

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

41°49'24.48" N 12°29'02.89" E 39 m elev

©2009

Google

12.0 km

Date di acquisizione delle immagini: 6 Ago 2004 29 Lug 2007

43.45 km Alt

Sponsors

- Sponsoring organizations include universities and government research institutes, as well as scientific societies covering a variety of disciplines in the spectral region from millimeter waves to the infrared.
- Industrial sponsorship, ranging from major companies to SME, which contribute to the technological development of terahertz and infrared systems and components is also foreseen.
- Local authorities will also contribute to the success of this initiative.

Government-Supported Research Institutes:

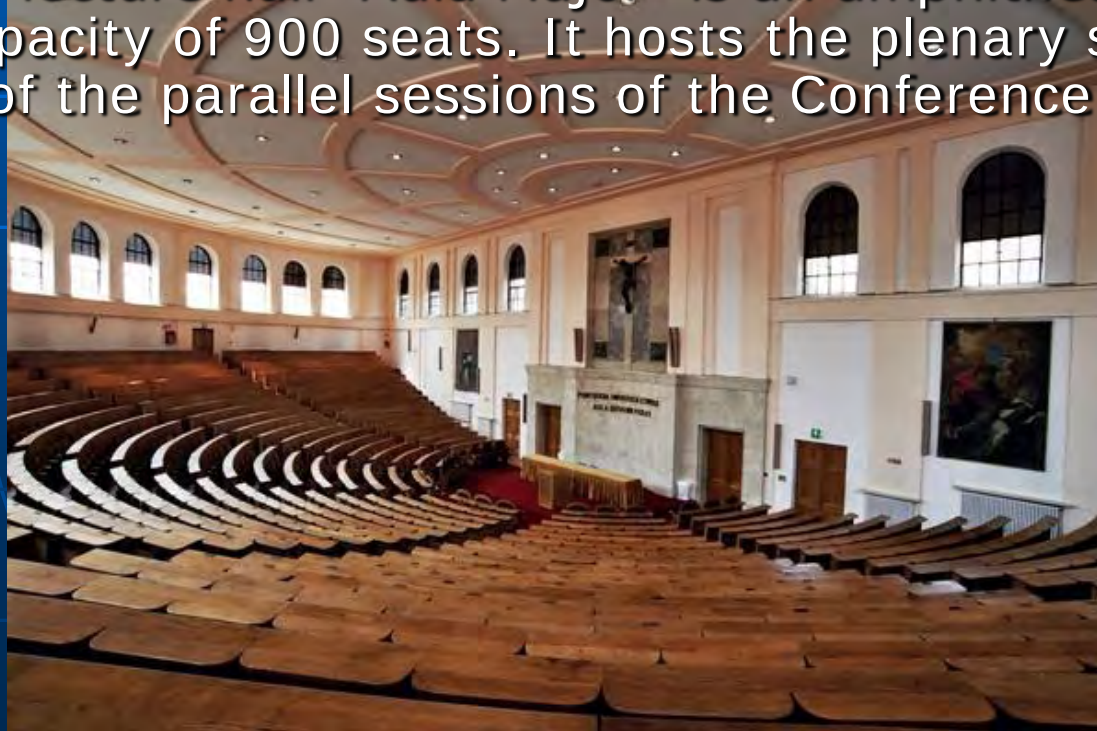
- Ente per le Nuove tecnologie, l'Energia e l'Ambiente (ENEA)
- Consiglio Nazionale delle Ricerche (CNR)
- Academic Societies
- Italian Physical Society
- Italian Chapter of IEEE-MTT

Universities:

- Universities of Rome "La Sapienza" and "Tor-Vergata"
- University of Bari
- Scuola Normale Superiore – Pisa

Angelicum Facilities

- The “Angelicum Congress Center” is located at the Pontifical University S.Thomas Aquinas in the hearth of ancient Rome.
- It is fully equipped to host conferences and meetings with parallel events. Several rooms have been reserved for the IRMMW-THz 2010 Conference.
- The main lecture hall “Aula Major” is an amphitheater with a capacity of 900 seats. It hosts the plenary sessions and one of the parallel sessions of the Conference.



Angelicum Facilities

- A second amphitheater (Aula Minor) and four additional lecture halls of different size host six parallel sessions in classroom-style (with a capacity of 80 - 120 seats each).
- The “Sala Colonne” with an area of about 400 m² host the 15 companies of the Technical Exhibit.



Angelicum Facilities

- A large cloister and a garden will be your 'home' during the next days, to host poster sessions, coffee breaks and relaxing moments.



- The Conference Secretariat, located in Room 10, hosts the registration, and is available to provide assistance to conference participants.

Committees

The Program Committee has been finalized in May 2009. The International Advisory Committee has been formed immediately after the Busan Conference.

Conference Chair: G.P. Gallerano (ENEA-Frascati)

Local Organizing Committee:

- G. Bartolomei, M. Cimino, F. Miglietta, D. Remoli (Secretariat ENEA)
- A. Doria, E. Giovenale, A. Petralia, V. Surrenti (ENEA-Frascati)
- M. Ortolani (CNR-IFN, Rome)
- R. Beccherelli (CNR-IMM)
- A. Marcelli (INFN-LNF)
- M. Vitiello (University of Bari)
- S. Lupi (University of Rome "La Sapienza")
- C. Paoloni (University of Rome "Tor Vergata")

Honorary

Chair

Maurice F.

Kimmitt

Program Committee:

- A. Doria, G. Messina, I. Spassovsky (ENEA-Frascati)
- G. Righini (CNR-IFAC, Florence)
- R. Leoni (CNR-IFN, Rome)
- S. Cirant, G. Grosso (CNR-Milano)
- R. Marcelli (CNR-IMM, Rome)
- A. Ramundo (CNR-INMM, Rome)
- A. Tredicucci (CNR-NEST INFN, Pisa)
- S. Biedron (Sincrotrone Trieste)
- B. Bisceglia SJ, University of Salerno)
- P. Calvani (University of Rome "La Sapienza")
- A. Di Carlo (University of Rome "Tor Vergata")
- G. Ghione (Politecnico di Torino)
- G. Scamarcio (University of Bari)
- G. Sironi, University of Milano Bicocca)

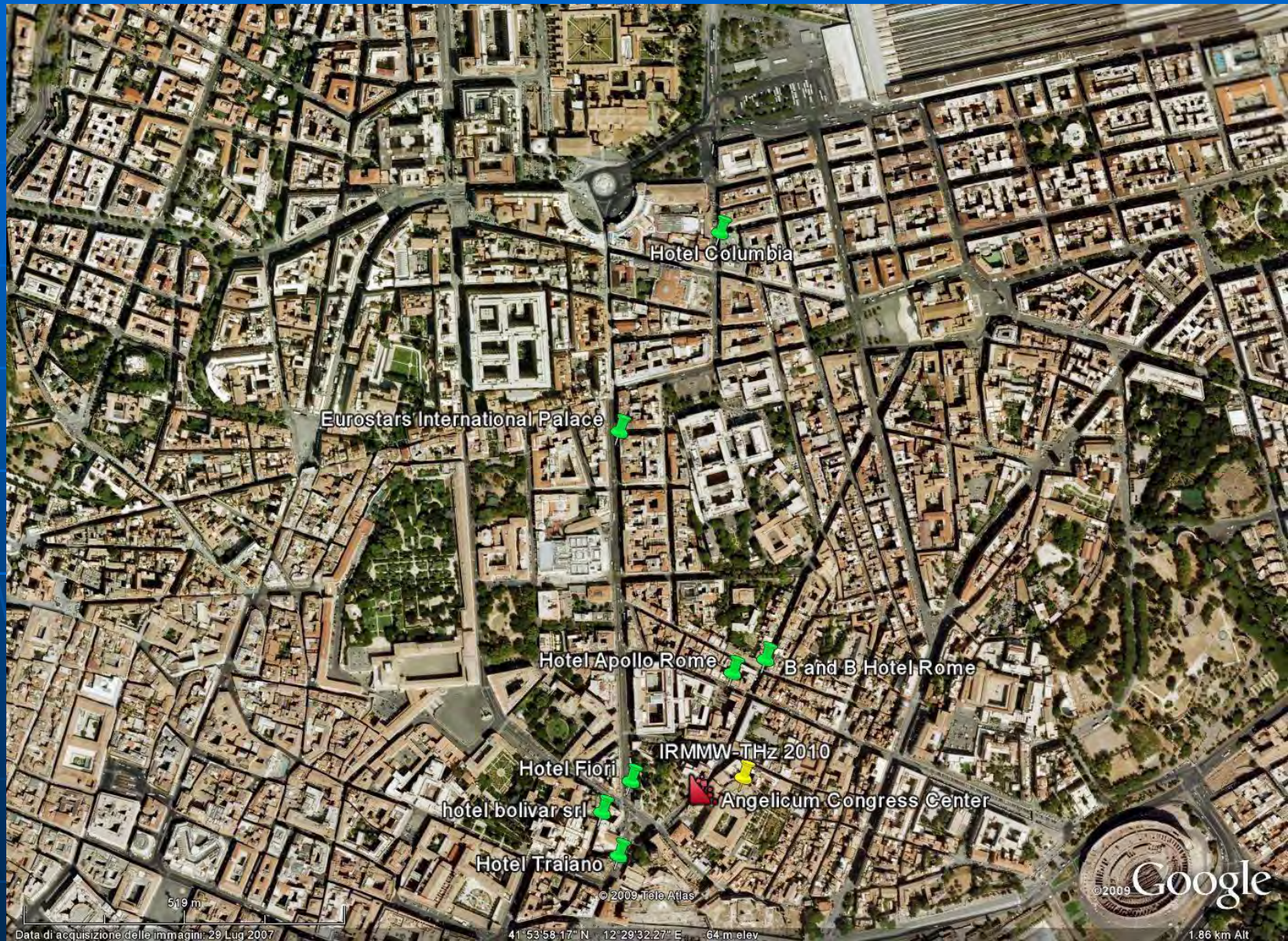
Topics

The conference addresses the main scientific and technological developments of sources, detectors, components and systems in a wide spectral range extending from the infrared to the THz range and millimeter waves.

Applications range from space technology to material science and art conservation, from biology and environment to medicine:

- IR, THz, and MMW Sources and novel generation schemes
- Gyro-Oscillators and Amplifiers, Plasma Diagnostics
- Free Electron Lasers and Synchrotron Radiation
- Detectors and Receivers
- Devices, Components and Instruments
- MMW systems, Transmission Lines and Antennas
- Ultra-fast Measurements
- IR, THz and MMW Spectroscopy and Material Properties
- MMW and Submillimeter-Wave Radar and Communications
- IR, THz and MMW Astronomy and Environmental Science
- IR, THz and MMW Imaging and remote sensing
- Applications in art conservation studies
- Applications in Biology and Medicine
- Applications in Security and Defence

Selected hotels location - Angelicum area



Conference Budget

Budget IRMMW-THz2010

participants Nmin Nmax
400 500

LECTURE HALL AND TECHNICAL EQUIPMENT

	5 days	VAT	TOTAL	Cost/pers. MIN	Cost/pers. MAX
Main Lecture Hall (Aula Major)	13.000,00	2.600,00	15.600,00		
Audio visual equipment Aula Major	4.000,00	800,00	4.800,00		
Kloister & garden	12.000,00	2.400,00	14.400,00		
Exhibit Area	6.000,00	1.200,00	7.200,00		
4 Rooms parallel sessions)	6.400,00	1.280,00	7.680,00		
Audio visual equipment	2.000,00	400,00	2.400,00		
Technical assistance	833,33	166,67	1.000,00		
Committee meeting room	1.633,33	326,67	1.960,00		
Cleaning	2.797,50	559,50	3.357,00		
ADSL & WiFi internet connection		0,00	0,00		
Surveillance	1.155,00	231,00	1.386,00		
Security	3.850,00	770,00	4.620,00		
	53.669,17	10.733,83	€ 64.403,00	€ 128,81	€ 161,01

BREAKS AND MEALS

	cost	quantity	cost/pp	n. particip.	VAT incl.	TOTAL			
					0,00	0,00			
Welcome reception	20,00	1	20,00	500	10.000,00	0,00	10.000,00		
Coffee Break	5,00	8	40,00	500	20.000,00	0,00	20.000,00		
Committee lunches	25,00	4	100,00	20	2.000,00	0,00	2.000,00		
Social Dinner	55,00	1	55,00	500	27.500,00	0,00	27.500,00		
			€ 215,00				€ 59.500,00	€ 215,00	€ 215,00

Conference material

Conference bag & consumables	20,00	500,00			10.000,00	2.000,00	12.000,00		
Signs with logo					250,00	50,00	300,00		
Announcements	2,55			500,00	1.275,00	255,00	1.530,00		
Abstract book on USB-Key	20,00			500,00	10.000,00	2.000,00	12.000,00		
							€ 25.830,00	€ 51,66	€ 64,58

Secretariat service and reg. fee handling

					8.000,00	1.600,00	€ 9.600,00	€ 19,20	€ 24,00
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Roma pass weekly card

	23,00	500,00					€ 11.500,00	€ 23,00	€ 23,00
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Excursion

					4.000,00	800,00	€ 4.800,00	€ 9,60	€ 12,00
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Contingency and other expenses

							€ 10.000,00	€ 20,00	€ 25,00
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Conference Expenses

waived speakers				20				€ 233.633,00	€ 209.833,00
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Support to selected speakers	2.200,00			10				€ 22.000,00	€ 22.000,00
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Total Expenses							€ 256.100,27	€ 232.357,58	
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Conference Budget

Revenues

Registration fees	€ 470,00		€ 225.600,00	€ 178.600,00
Exhibit fees	€ 2.000,00	10,00	€ 20.000,00	€ 20.000,00
Total fees			€ 245.600,00	€ 198.600,00
Contribution from ENEA			€ -	€ 22.000,00
Contribution from sponsors			€ 12.000,00	€ 12.000,00
Total revenues			€ 257.600,00	€ 232.600,00

The initiative, including provisional budget was formally approved by ENEA in June 2008

An amount of 100.000 Euro has recently been allocated and anticipated by ENEA

The budget will be regularly updated as sponsors revenues become available

Registration fees

	Member	Student	Optional Item
IRMMW-THz 2010 Rome	Euro 500 Euro 580 after June12 Euro 600 on-site	Euro 300 Euro 350 after June12	Excursion & Banquet for companions
	Registration includes : Admission to all sessions, coffee breaks, Welcome reception, Excursion & Banquet, proceedings on USB-key, IRMMW-THz Society membership		
IRMMW-THz 2009 Busan	\$550 (\$600 after July 1)	\$450 ((\$500 after July 1)	Banquet ticket, US\$50 each
IRMMW-THz 2008 Pasadena	\$550 (Early bird \$500, Later \$600)	\$450 (Early bird \$400, Later \$500)	

Key dates

- **Pre-registration online:**
(no payment due) **Oct. 31, 2009 – Feb. 27, 2010**
- **First call for papers:** **February 1, 2010**
- **Abstracts submission deadline:** **April 2 – *extended to April 14***
- **Acceptance of papers :** **May 21 – *extended to May 31***
- **Final Paper Submission** **June 25 – *extended to July 9***
- **Early registration:** **n/a**
- **Regular registration :** **March 1 to June 12 (26)
(500 Euro incl. banquet)**
- **Late registration :** **June 26 to September 10
(580 Euro incl. banquet)**
- **On-site registration** **600 Euro**
- **Conference dates :** **September 5 - 10, 2010**

Initial schedule

	Sunday Sept. 05	Monday. Sept. 06	Tuesday Sept. 07	Wednesday Sept. 08	Thursday Sept. 09	Friday Sept. 10	papers
08:00 - 9:00		Registration	Registration	Registration	Registration		
09:00-10:30		2 Plenary Talks	2 Plenary Talks	2 Plenary Talks	2 Plenary Talks	2 Plenary Talks	10
10:30-11:00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
11:00-12:30		4 parallel sessions	4 parallel sessions	4 parallel sessions	4 parallel sessions	4 parallel sessions	100
12:30-14:00		Int.Society Luncheon	IOC Luncheon	Button Prize Luncheon	JIMT Luncheon	Closing remarks	
14:00-15:30		5 parallel sessions	5 parallel sessions	5 parallel sessions			75
15:30-16:00		Coffee Break	Coffee Break	Coffee Break	Excursion		
16:00-17:30	Registration	5 parallel sessions	5 parallel sessions	5 parallel sessions	to		75
17:30-19:00		Poster session (80 max)	Poster session (80 max)	Poster session (80 max)	Ostia Antica	:	240
19:00-22:00	Reception		Reception		Banquet		500

Final schedule

Sunday Sept. 05		Monday 06	Sept.	Tuesday Sept. 07	Wednesday Sept. 08	Thursday Sept. 09	Friday Sept. 10	Max # Papers
Set-up	08:00 - 9:00	Registration	08:00 - 9:00	Registration	Registration	Registration	Registration	
Set-up	09:00 - 9:30	Opening	09:00 - 9:45	1 Plenary Talk	1 Plenary Talk	1 Plenary Talk	1 Plenary Talk	4
Set-up	09:30-10:15	Plenary 1 Orazio Svelto	09:45-10:30	1 Plenary Talk	1 Plenary Talk	Plenary 9: Prof. Mauro Bacci	1 Plenary Talk	5
Set-up	10:15-10:45	Coffee Break	10:30-11:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
Set-up	10:45-12:45	2 Plenary Talks + Dattoli Remarks	11:00-12:30	6 parallel sessions 5 papers each	6 parallel sessions 5 papers each	6 parallel sessions 5 papers each	6 parallel sessions 5 papers each	122
Set-up	12:30-14:00	International.Society Luncheon	12:30-14:00	IOC Luncheon	Button Prize Luncheon	JIMT Luncheon	Closing remarks	
Ehibit set-up	14:00-15:30	6 parallel sessions 5 papers each	14:00-15:30	6 parallel sessions 5 papers each	6 parallel sessions 5 papers each	Poster session (100 max)		190
Ehibit set-up	15:30-16:00	Coffee Break	15:30-16:00	Coffee Break	Coffee Break	Excursion		
Registration	16:00-17:30	6 parallel sessions 5 papers each	16:00-17:30	6 parallel sessions 5 papers each	6 parallel sessions 5 papers each	to		90
Registration	17:30-19:00	Poster session (100 max)	17:30-19:00	Poster session (100 max)	Poster session (100 max)	Ostia Antica	:	300
Reception			19:45-22:30	Concert	Banquet			711

Participants statistics

ACTIVITY	# Participants	Max
Regular registration	293	
Regular Late registration	77	
Cash at Conference Site	66	30
Student registration	105	
Student Late registration	22	
Waived fee	22	
Exhibitor	29	
TOTAL	614	640*
I plan to Participate in the Conference Banquet	582	
I will not Participate in the Conference Banquet	32	
	614	
I plan to Participate in the Ostia Antica excursion	492	
I will not Participate in the Ostia Antica excursion	122	
	614	

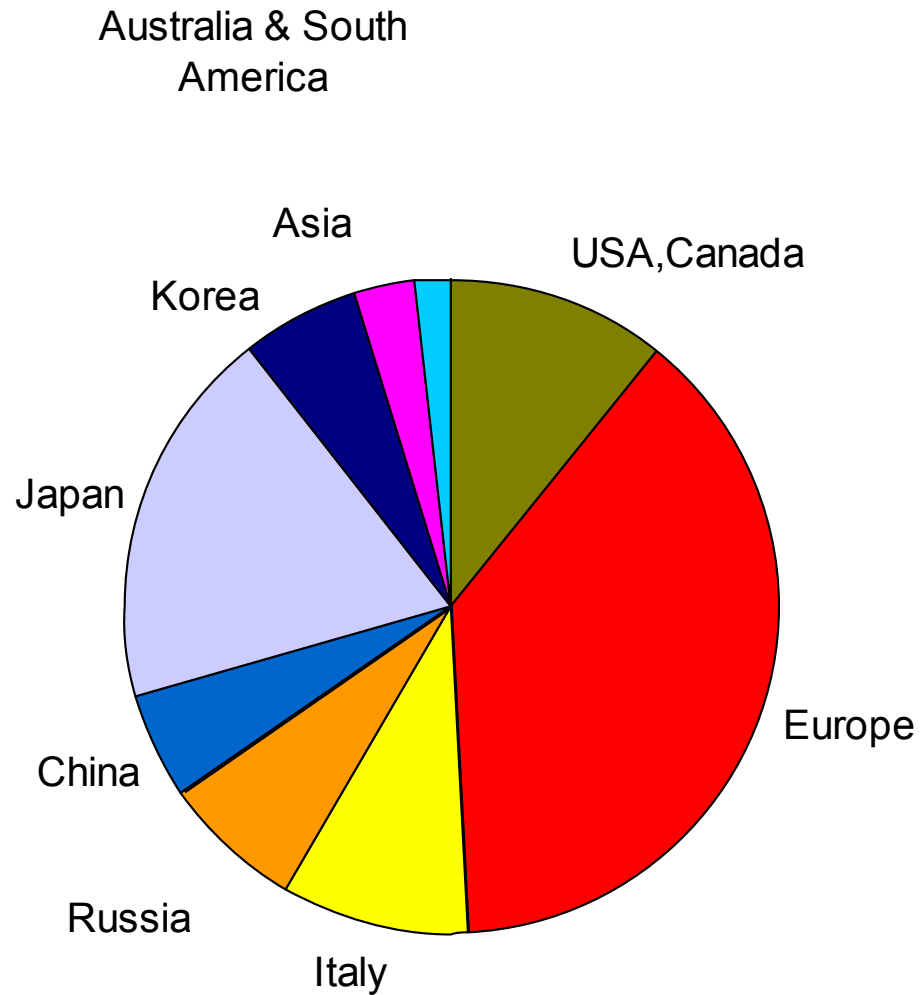
*** FINAL ATTENDANCE=640. Total Papers=637**

Attendance IRMMW-THz series

	USA - 2005	China - 2006	UK - 2007	USA - 2008	Korea - 2009	Italy - 2010
USA, Canada	101	60	55	124	73	71
Europe	99	123	134	157	139	248
			(Excluding UK)			(Excluding IT)
Italy						60
Russia	58	48	52	46	51	46
UK			85			
China		224				34
Japan						122
Korea					100	39
Asia	116	117	178	130	204	19
		(Excluding China)			(Excluding Korea)	
Australia & South America	8	9	19	19	9	11
	382	581	523	476	576	650

Attendance IRMMW-THz series

Country distribution of participants



Budget

Summary Budget IRMMW-THz2010

September 5, 2010

Euro

USD

Angelicum Lecture Halls and Technical Service	107.723,00	138.962,67
Reception, Coffee Breaks, Dinner	71.894,00	92.743,26
Proceedings and Conference material	39.182,00	50.544,78
Secretariat service and banking fees	16.680,00	21.517,20
ENEA personnel expenses	11.150,00	14.383,50
Excursion and other travel services	22.652,00	29.221,08
Support to students & selected speakers	13.200,00	17.028,00
IRMMW-THz Society Association	18.750,00	24.187,50
Contingency and other expenses	10.000,00	12.900,00
Total Conference Expenses	311.231,00	401.487,99

Revenues

Registration fees	271.522,00	350.263,38
Contribution from ONRG	7.000,00	9.030,00
Contribution from other sponsors	2.600,00	3.354,00
Contribution from technical exhibitors	32.000,00	41.280,00
Total revenues	313.122,00	403.927,38

Conference Dinner

The Conference Banquet will be held on Wednesday evening at Palazzo Brancaccio, one of the most outstanding patrician palaces in Rome, with a beautiful park where you will also admire the small and charming Hunting Lodge



Social events

- A visit to the archaeological site of Ostia Antica, the former harbor of Rome, is planned on Thursday, September 9.
- Ostia Antica is one of the most beautiful and well preserved examples of an ancient Roman town showing all features of the Roman urban architecture and life-style with astonishing well preserved details.



- In case of rain, the alternative program will be a guided tour of the Roman Museum of Palazzo Massimo.