

ERAD 2012



Conference Book

Toulouse France
25 - 29 June 2012

ERAD 2012 committees	4
General Information	5
Downtown Toulouse city area map	8
The conference venue	10
Registration	11
Organizing institutions – partners & sponsors	13
Catering	17
Conference programme overview	18
Social events	19

CONFERENCE ADDRESS

METEO-FRANCE – Centre International de Conférences (CIC)
42, avenue Gaspard Coriolis – 31057 Toulouse cedex1 - France

Dear ERAD 2012 Delegates,

Météo France, the French national weather service, is proud and very happy to welcome you to Toulouse for this new edition of the European Conference on Radar in Meteorology and Hydrology, ERAD 2012. ERAD is still a young conference that is not affiliated with any permanent organizations or scientific societies (like the AMS for instance). As such, ERAD is still a fragile institution. In that context, we, as chairmen of the 2012 meeting, felt we had a crucial responsibility towards the "founding fathers" of ERAD and toward the radar community as a whole to make this new edition as successful as the previous ones and to make a further step in establishing ERAD as a stable conference.

We have worked very hard over the past two years to :

- put together a balanced, high-quality programme reflecting all the current trends in the weather radar community. For example, oral sessions on aviation meteorology, non-meteorological use of radars, cloud radars and space-borne radars have been included for the first time into the programme, alongside the more classical sessions on hydrology, nowcasting and microphysics.*
- develop a maximum number of incentives for students and people from developing countries to participate in the conference.*
- establish strong partnerships with sponsors and exhibitors to allow them to demonstrate their latest products and technologies and to keep the conference registration fees at a reasonable amount. The latter point was essential to us, considering the current difficult economic times and the severe cuts in the travel budget for many research organizations.*
- offer a number of social events to keep the widely appreciated, friendly ERAD atmosphere, and allow you to enjoy the very best of Toulouse.*



Olivier Bousquet
ERAD2012 co-chair



Pierre Tabary
ERAD2012 co-chair

Finally, we are extremely pleased to see that weather radars are now being increasingly used in many applications and that the interest generated by our preferred meteorological instruments has spread well beyond the traditional radar community. With this in mind, we believe that it is perhaps more essential than ever to maintain a very close connection between researchers, academia, manufacturers, operational radar operators, students and end users, as well as to foster international collaborations and further develop exchange of expertise and know-how. This has always been the main objective of ERAD and we hope that this year's conference will perpetuate this tradition.

We have done our best to create the conditions for a successful conference. It is now in your hands!

PROGRAMME COMMITTEE

Olivier Bousquet (co-chair)
Centre National de Recherches Météorologiques
Météo-France, Toulouse, France

Aurora Bell
Bureau of Meteorology
Melbourne, Australia

Alexis Berne,
Ecole Polytechnique de Lausanne
Lausanne, Switzerland

Chris Collier,
University of Leeds
Leeds, United Kingdom

Urs Germann
MeteoSwiss,
Locarno-Monti, Switzerland

Jonathan Gourley,
National Oceanic and Atmospheric Admin.
Norman, USA

Martin Hagen,
Deutsches Zentrum für Luft- und Raumfahrt
Oberpfaffenhofen, Germany

Anthony Illingworth,
University of Reading
Reading, United Kingdom

Remko Uijlenhoet
Wageningen University
The Netherlands

Pierre Tabary (co-chair)
Direction des Systèmes d'Observation
Météo-France, Toulouse, France

Paul Joe,
Meteorological Service of Canada (MSC),
Downsview, Ontario, Canada

Jarmo Koistinen ,
Finish Meteorological Institute, Helsinki,
Finland

Pavlos Kollias
McGill University
Montréal, Canada

Hidde Leijnse,
Royal Netherlands Meteorological
Institute (KNMI), De Bilt, The Netherlands

Frank Marzano,
University de L'Aquila
L'Aquila, Italy

Daniel Michelson
Sweden's Meteorological & Hydrological
Institute (SMHI), Norrköping, Sweden

Dmitri Moisseev
University of Helsinki
Helsinki, Finland

Daniel Sempere-Torres
Universitat Politécnica de Catalunya
Barcelona, Spain

LOCAL ORGANIZING COMMITTEE

Philippe Caille
Direction du Centre de Toulouse
Météo-France, Toulouse, France

Sylviane Balland
Direction du Centre de Toulouse
Météo-France, Toulouse, France

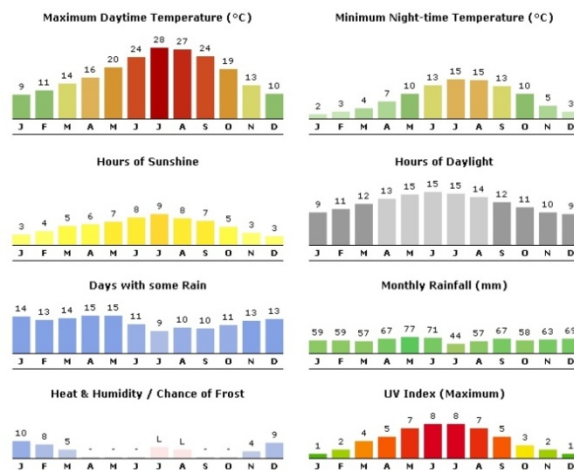
Isabelle Varin
Direction du Centre de Toulouse
Météo-France, Toulouse, France

TRAVEL INFORMATION

METEOROLOGICAL INFORMATION

Toulouse is located in the south of France and enjoys a milder climate that doesn't get too hot in the summer or too cold in the winter. During the warmest months of July and August the temperature remains constant between 26-27 degrees Celcius. These are extremely pleasant temperatures, especially for touring around. Toulouse gets the most rainfall during the month of May, and the least amount of rainfall occurs during July. The best times to visit Toulouse are during spring and summer. The obvious reason is because of the weather, but also because the city comes alive at this time. Everything is in bloom and the sights and smells are wonderful. Everyone loves to get outside after

being inside for the winter, and there are always outdoor activities going on.



CLOTHING

Bring light, summer clothing with a long sleeved jacket for the nights. Do not forget a sun cream.

ELECTRICAL STANDARDS

Voltage and frequency: 220–240 V / 50Hz Plug types: C and E/F

You may need an adapter and/or a transformer. Please check and if needed buy it at the Airport

CURRENCY

The currency in France is the Euro (€) :

1 EUR = 1.25 USD (\$) ; 1 EUR = 0.8 GBP (£) ; 1 EUR = 100 JPY (¥) ; 1 EUR = 8.08 CNY

ARRIVAL AT TOULOUSE INTERNATIONAL AIRPORT

Toulouse Blagnac International Airport (Aéroport de Toulouse – Blagnac) is located ~7 km northwest of Toulouse.

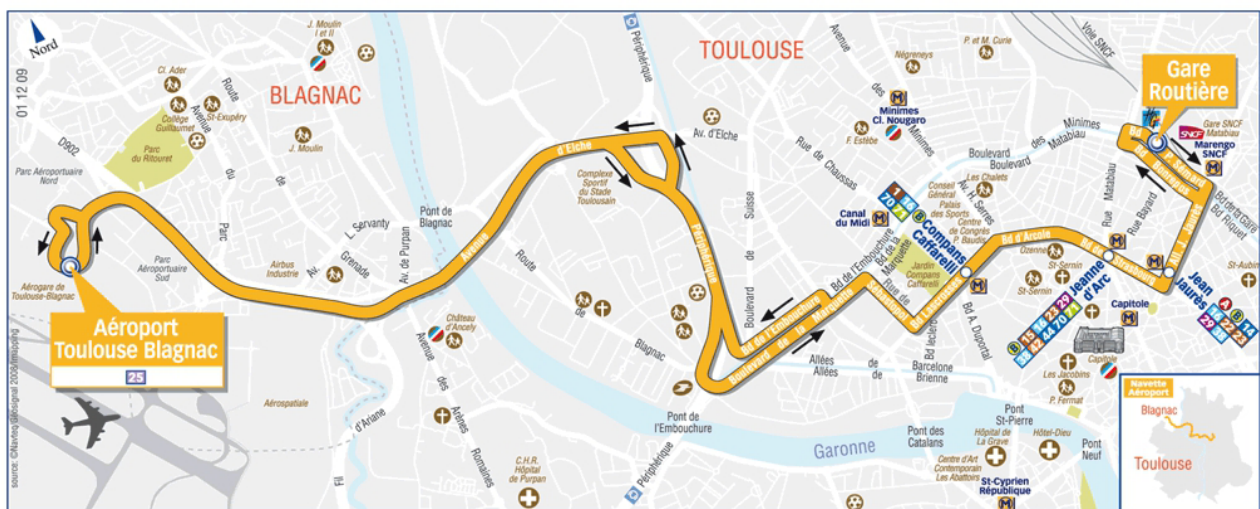
The easiest way to get from the airport to the city centre is to take the “Navette Aeroport” shuttle bus, which runs a shuttle into the city every 20 minutes. The shuttles depart from Door C outside the Arrivals Hall for the 20-minute journey into town. The shuttle's main stops are at the central bus station. A one-way transfer will cost you 5 €. Each ticket is valid for a period of 1 h 30 after validating it the first time. You can buy your ticket from the driver in the bus.

Taxis are also ready and waiting outside the Arrivals Hall and there are several car hire companies located in the terminal.

The airport shuttle

Shuttle's Stops

- Airport : Ground floor GATE C, arrival level.
- Toulouse (see map below): 4 stops at Compans Caffarelli, Jeanne d'Arc, Jean Jaurès and Gare Routière



Timetable and frequency

Airport > Toulouse

First bus departing from the airport

Every day : 5.30 am

Bus leaving every 20 min

Last bus departing from the airport

Every day : 0:15 am

Toulouse > Airport

First bus departing from the bus station

Every day : 5.00 am

Bus leaving every 20 min

Last bus departing from the bus station

Every day : 8.20 pm

Schedules above are given as an indication and can change according to the traffic. For the latest developments, please visit the website www.tisseo.fr

Car rental



Website: www.avis.fr

Phone: +33 820 61 16 78 (0.12 € TTC per min)

open Monday to Sunday from 7am to midnight



Website : www.hertz.com

Phone: +33825 801 031 (0,15 € TTC per min)

open from Monday to Friday from 7am to 11.30pm
Saturday and Sunday from 8am to 11.30pm



Website : www.budget.fr

You can find Budget at the sale counter as Avis



Website : www.citer.fr

Phone: +33(0)5 61 30 00 01

open Monday to Friday from 7am to 11.30pm
Saturday and Sunday from 9am to 11.30pm



Website : www.europcar.fr

Phone : +33 825 825 514 (0,15 € TTC per min)

open Monday to Friday from 7am to midnight
Saturday and Sunday from 8am to midnight



Website: www.sixt.fr

Phone: +33 (0)5 61 49 73 95

open Monday to Friday from 7am to 11.30pm
Saturday from 8am to 10pm
Sunday from 8.30am to 10pm

Taxis

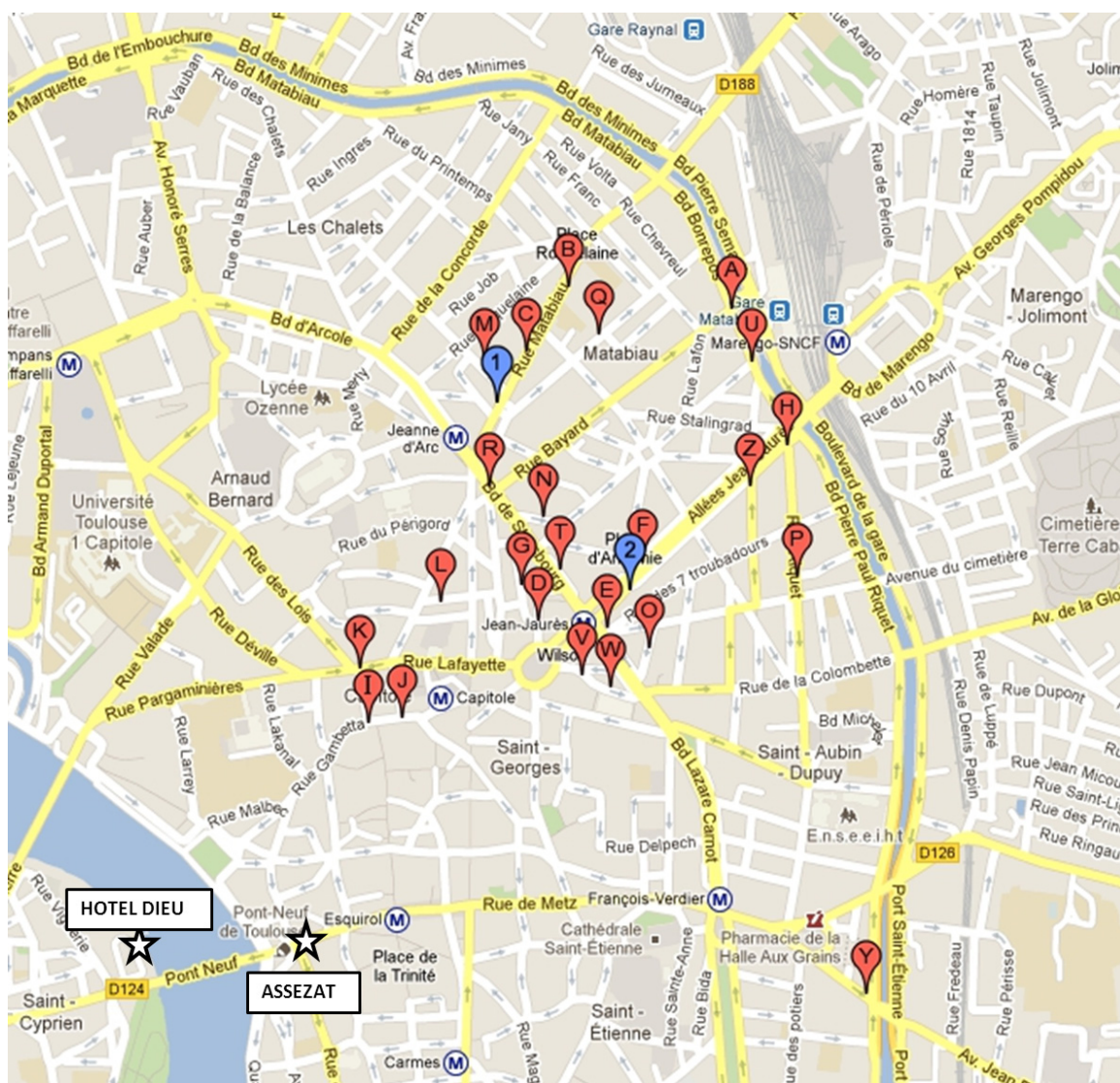
You can find taxis on the ground floor, at the arrival level and at the entrance of gates C and D.
Approximate rating to / from city center : day 22€ / night 25€

DOWNTOWN TOULOUSE CITY AREA ACCOMMODATIONS & DEPARTURE BUS STATIONS

Toulouse is one of France's most historic and colourful cities. "La Ville Rose" gets its popular name from the small bricks made from local clay used in many of its older buildings. Their colour varies from red to dark pink, according to the metal content, and gives the city a rosy complexion all of its own, especially in gentle sunlight. Note, however, that it has to share that title with a number of other towns in the region including Albi and Montauban (the latter is even known as 'the pinkest of all the pink cities').

Today, Toulouse is a centre for aviation, space travel and high-tech business, and has the second largest student population in France, making it a vibrant and cosmopolitan city. Most accommodations and hotels are located in downtown Toulouse. This part of the city is very pleasant with lots of restaurants, activities and stores.

Interactive map : http://www.meteo.fr/cic/meetings/2012/ERAD/hotels_list.html



1 Bus departure "Jeanne d'Arc"

2 Bus departure "Jean Jaurès"

Recommended Hôtels

I HÔTEL CROWNE PLAZA

7, place du Capitole -31000 Toulouse
tél : +33 561 611 919 -fax : +33 561 237 996

E CITIZ HÔTEL

18, allées Jean-Jaurès -31000 Toulouse
tél : +33 561 111 818 -fax : +33 531 616 141

B HÔTEL JEAN MERMOZ

50, rue Matabiau -31000 Toulouse
tél : +33 561 630 404 -fax : +33 561 631 564

C HÔTEL ATHENEE

13 bis, rue Matabiau -31000 Toulouse
tél : + 33 561 631 063 -fax : +33 561 638 780

F GRAND HÔTEL LES CAPITOUXS

29, allées Jean Jaures -31000 Toulouse
tél : +33 534 413 121 -fax : +33 561 631 517

V HÔTEL MERCURE WILSON

7, rue Labéda -31000 Toulouse
tél : +33 534 454 060 -fax : +33 534 454 061

U HÔTEL PHOENICIA

7, boulevard Bonrepos -31000 Toulouse
tél : +33 561 638 163 -fax : +33 561 630 206

**

L HÔTEL ALBERT 1er

8, rue Rivals -31000 Toulouse
tél : +33 561 211 791 -fax : +33 561 210 964

W HÔTEL ROYAL WILSON

6, rue Labéda -31000 Toulouse
tél : +33 561 124 141 -fax : +33 561 124 153

O HÔTEL CASTELLANE

17, rue Castellane -31000 Toulouse
tél : +33 561 621 882 -fax : +33 561 625 804

R HÔTEL VICTOR HUGO

26, boulevard de Strasbourg -31000 Toulouse
tél : +33 561 634 041 -fax : +33 561 626 631

J GRAND HÔTEL DE L'OPERA

1, place du Capitole -31000 Toulouse
tél : +33 561 218 266 -fax : +33 561 234 104

H SOFITEL TOULOUSE CENTRE

84, allées Jean Jaures -31000 Toulouse
tél : +33 561 102 310 -fax : +33 561 102 320

Z THE LOFTS

76, allées Jean Jaurès -31000 Toulouse
tél : +33 581 311 740 -fax : +33 581 311 755

P HÔTEL RIQUET

92, rue Riquet
tél : +33 561 625 596 -fax : +33 561 624 529

A HÔTEL TERMINUS

13, boulevard de Bonrepos -31000 Toulouse
tél : +33 561 624 478 -fax : +33 561 631 806

T RESIDENCES CITADINES WILSON

8, boulevard de Strasbourg -31000 Toulouse
tél : +33 534 417 500 -fax : +33 561 990 755

D HÔTEL DE FRANCE

5, rue d'Austerlitz -31000 Toulouse
tél : +33 561 218 824 -fax : +33 561 219 9

K HÔTEL DU TAUR

2, rue du Taur -31000 Toulouse
tél : +33 561 211 754 -fax : +33 561 137 841

M HÔTEL IBIS CENTRE

2, rue Claire Pauilhac -31000 Toulouse
tél : +33 561 636 163 -fax : +33 561 630 746

G HÔTEL OURS BLANC CENTRE

14, place Victor Hugo -31000 Toulouse
tél : +33 561 212 597 -fax : +33 561 239 627

N HÔTEL PATIO WILSON

7, rue Lafaille -31000 Toulouse
tél : +33 561 627 474 -fax : +33 561 991 544

Q HÔTEL PRESIDENT

43-45, rue Raymond IV -31000 Toulouse
tél : +33 561 634 646 -fax : +33 561 628 360

DEPARTURE BUS STATIONS

Special transportation to and from the Centre International de Conférences of Météo-France will be provided every day.

Buses will leave every morning at 8:00 from the two departure points below
(see *downtown Toulouse map*)

- meeting point 1 : Place Jeanne d'Arc, in front of the Crédit Agricole bank
- meeting point 2 : 28, Allées Jean Jaurès, in front of the restaurant Flunch

Please avoid missing these buses. If unfortunately this happens, you can use public transportation (metro & bus) or call a taxi to reach the conference venue.

Public transportation

Take subway Line # A to Basso Cambo station (end of line).
From there take bus # 8, direction Lycée Polyvalent, to Météo-France.

From Météo-France to Basso Cambo, take bus # 8, direction Basso Cambo.

Subway maps : <http://www.tisseo.fr/se-deplacer/plans>

Taxi

Capitole Taxi : +33 (0) 534 250 250

Allo Taxi 31 : +33 (0) 562 212 000

PRE-REGISTRATION AND REGISTRATION

A pre-registration and a welcome cocktail will be organized on Sunday 24 June from 5pm to 7pm at Hôtel d'Assézat to enable participants to collect their conference kit and badge.

Please check the downtown Toulouse city map or check with your Hotel Reception Desk for more specific information on how to get to the Hôtel d'Assézat.

Please note that this pre-registration is only open to participant who already paid their conference fees online. There will be no on-site registration on Sunday.



WE STRONGLY RECOMMEND YOU TO GET YOU BADGE ON SUNDAY TO AVOID CONGESTION AT METEO-FRANCE SECURITY CHECKPOINT ON MONDAY.

The registration will continue during the conference from 8:30 am to 18:00 pm at the Reception desk of the Centre International de Conférences.

Payment on site will be possible by cash only.

RECEPTION DESK AND CONFERENCE SECRETARIAT

The **ERAD 2012 Secretariat** is located at the Centre International de Conférences Reception desk. Information about the program and conference room locations can be obtained there.

REGISTRATION ENTITLEMENTS

The registration fees entitle all participants to the following :

- shuttles to and from the Centre International de Conférences of Météo-France
- all oral and poster sessions
- conference kit including nametag, conference book, abstracts book in a USB stick
- Icebreaker cocktail
- morning / afternoon Coffee breaks and Lunches
- limited complimentary Internet access at the Internet Centre
- Gala dinner on Thursday, 28 June 2012

All the participants must wear their conference badge permanently on the premises

INTERNET ACCESS

Wifi access is available everywhere in the Conference center. You will get an Internet access code on site via your cell phone.
An internet center with free access to a few computers and a printer are available in the Center hall.

ORAL PRESENTATIONS

There will be 106 regular oral presentations of fifteen minutes and 5 keynote presentations of thirty minutes.

The detailed, up-to-date, program of the presentations is available on the conference website.
All conference rooms are equipped with:

- an overhead projector
- a PC computer linked to a VLAN network specifically implemented for the ERAD 2012 conference
- an audio system and microphones.

Presenters should visit Conference Secretariat at least 24 hours prior to the start of their session to ensure their presentations are loaded successfully.

POSTER PRESENTATIONS

There will be ~300 poster presentations in total.

Posters will be on display under an air-conditioned marquee during the entire meeting.
There will be two different poster groups (Monday/Tuesday and Wednesday/Thursday).
Presenters are expected to be at their poster during at least one of their two designated poster sessions.

Please refer to the detailed program for viewing dates and times of the posters.

ORGANIZING INSTITUTIONS – PARTNERS AND SPONSORS



METEO-FRANCE

Météo-France, a public administration placed under the authority of the Ministry of Ecology, Sustainable Development, Transport and Housing, is the French organization responsible for supplying information nation-wide on the state of the atmosphere and the repercussions this may have on human life and property.

To meet these requirements, Météo-France manages observation networks; receives and processes information supplied by weather satellites; analyses all the data and runs numerical prediction models; transmits this information to the general public, to state services responsible for public safety and to institutional organisations in important economic sectors (aeronautics, agriculture, production and transport of energy, maritime activities, etc.) and archives the measurements thus gathered to meet the needs of climate studies. Moreover, Météo-France plays an important role in atmospheric research thanks to its research service (the National Centre for Meteorological Research).



SELEX GEMATRONIK

Worldwide, Selex Systems Integration GmbH, Gematronik Weather Radar Systems, occupies a leading position in the design, manufacture, sales and service of weather radar systems, sensors and system solutions for meteorology, hydrology and aviation. With its METEOR product line, SELEX-Gematronik spearheads the weather radar industry, serving a wide base of international customers including aviation authorities, national weather services, military services, hydrological institutions and research agencies.

The company focuses on providing customised system and turnkey solutions that reflect a deep concern for the individual customer. More than 50 years of experience, reliability and a professional approach to challenges have contributed to the company's excellent reputation among experts in the meteorological field.

info@gematronik.com

www.gematronik.com

info@selex-si.de

www.selex-si.de



VAISALA

Vaisala is a global leader in environmental and industrial measurement. Building on 75 years of experience, Vaisala contributes to a better quality of life by providing a comprehensive range of innovative observation and measurement products and services for chosen weather-related and industrial markets. Headquartered in Finland, Vaisala employs approximately 1400 professionals worldwide and is listed on the NASDAQ OMX Helsinki stock exchange.



BARON SERVICES

Baron Services provides meteorological detection, visualization and data distribution systems, including integration services, for meteorological organizations worldwide.

A leader in dual-polarimetric radar, Baron is contracted with L-3 STRATIS to upgrade the U.S. NEXRAD radar network to dual-polarization by mid-2013. The company's weather radar sensors are available in magnetron, klystron and solid-state configurations, and feature remote monitoring/diagnostics with built-in test equipment to ensure continuous reliable performance.



GAMIC METEOROLOGICAL RADAR SOLUTIONS

GAMIC services the Meteorological Weather Radar Market since 1988.

GAMIC's next generation Radar Signal Processors ENIGMA IV processes more than 12000 range bins in real time in full DPOL mode. Weather radar systems in X, C, S – band, in stationary, transportable and mobile version as well as Magnetron, Klystron, TWT and solid state are offered in cooperation with experienced radar sensor manufacturer partners.. GAMIC's ATC Radar Doppler Weather Extractor enhances any ASR radar by a "weather radar like" data output.

The GAMIC weather software suite FROG-MURAN has more than 50 weather processing algorithms, including Hydrometeor classification, DPOL rainfall attenuation correction, detection, NOWCASTING and real-time warnings. Specific weather phenomena detection algorithms like for MICROBURST, GUST FRONT, Severe Storm etc. are available.



NOVIMET

As a provider of technological solutions in hydro-meteorology, Novimet assists local authorities and companies to better manage water resources and water related risks. Novimet has developed a set of products including a X-band dual polarized radar: HYDRIX[®], an innovative rain retrieval algorithm: ZPHI[®] and a web based services production and distribution platform: RAINPOL[®], in a modular and cost effective way, allowing to fit users specific needs (meteorological offices, towns, airports, agricultural cooperatives, etc.).

Whether your interest is designing a complete system for monitoring and studying flash floods in an urban area, enhancing your farming to better comply with sustainable development regulations, managing water quality, increasing the traffic on an airport, or organizing sport events, Novimet is the partner you can fully rely on.



ENTERPRISE ELECTRONICS CORPORATION (EEC)

Since 1971, the intelligent choice for Weather Radar has always been EEC, evidenced by more than 1000 advanced Doppler and Dual Polarization radar systems deployed around the globe since then. EEC is a world leader in weather detection, forecasting and visualization. EEC provides next generation weather products to a diversified customer base that enables our clients to anticipate severe weather earlier, and take action faster to mitigate the sometimes disastrous impact weather has on life and property. We continue to solidify our leadership position with dramatic technological advances in dual polarization radar delivering the highest definition data, and sensational display capabilities combined with simplified hardware designs all aimed at providing better insight into storms at more affordable prices. EEC continues to move beyond radar.



METEK

METEK GmbH - Manufacturer of ground based remote sensing equipment.

Micro Rain Radar (MRR-2) offers information on Bright Band altitude and profiles of several precipitation parameters. This offers opportunities for the improvement of weather forecasts and the calibration of horizontal scanning weather radars. Cloud Radar MIRA-35 provides comprehensive information on cloud processes with high time and special resolution. Several systems are operating in Europe and USA.

Please refer to METEK website (<http://www.metek.de>) and to MIRA-35 product web-site (<http://metekgmbh.dyndns.org>) for more detailed information on the METEK products.



EDF-DTG

EDF measurement and diagnostic engineering center DTG (Division Technique Générale)

DTG is part of the EDF Group. Created at the same time as EDF, over 60 years ago, DTG provides its know-how, expertise and assessment skills in the field of measurement to the EDF Group's power plants, in France and abroad.

Over 600 people work in the different fields of measurement as :

- monitoring and forecasting in the field of hydrometeorology and hydrology
- monitoring large civil engineering structures, both hydraulic and nuclear
- controlling and reducing environmental impacts (aquatic, acoustic and atmospheric)
- guaranteeing and improving the performance of generation assets such hydraulic and thermodynamic performance
- monitoring electrical equipment and establishing diagnoses
- studying the mechanical behavior of equipment
- providing topography engineering work

DTG has 5 geographical sites in France : Grenoble (HQ), Lyon, Toulouse, Brive and Béziers.



Conseil Régional de Midi-Pyrénées

The Midi-Pyrénées is the largest French region, and is even larger than eight of the European Union states. Located between the Atlantic and the Mediterranean, it is often referred to as « the region where the living is good » by its 2,550,000 inhabitants and the hundreds of thousands of visitors that come to every corner of the Midi-Pyrénées each year.

...

<http://www.midipyrenees.fr>

Compagnie Nationale du Rhône



CATERING

All Morning and Afternoon Coffee / Tea Breaks will be served under the Marquee or on the deck around the ICC.

Lunch is included in the registration fee.

It will be served from 12:30 to 13:30 on the Deck of the ICC.

Lunch is provided by a caterer specifically selected by ERAD 2012 Local Organizing Committee. Below are the daily menus:

Monday

Shrimp & grapefruit salad
Peanut & beetroot tabbouleh
Ham and tomato tartine
Duck confit
Cheese assortment
Banana cheesecake
Apple tart
Litchi smoothie

Tuesday

Duck salad
Tomato and Mozzarella salad
Blue-cheese and Pear tartine
Salmon with Ratatouille and Thyme
Cheese assortment
Pineapple-Banana Smoothie
Black Forest Cake
Mini Muffins

Wednesday

Goat cheese salad
Salmon & onion salad
Artichoke cream tartine
Chicken filet and Pecan nuts
Cheese assortment
Apple-Kiwi Smoothie
Lemon Tart
Mini Macaroon

Thursday

Italian salad
Serrano cheese and melon salad
Blue-cheese and nuts tartine
Chili con Carne
Cheese assortment
Strawberry Smoothie
Crème Brûlée
Mini Brownies

Friday

Tomato mozzarella salad
Ham & Cheese Ciabatta
Coppa & Eggplant Ciabatta
Smoked Salmon Ciabatta
Egg Sandwich
Fruits
Chocolate
Muffin

CONFERENCE PROGRAMME OVERVIEW

	Sun 24 June	Monday 25 June	Tuesday 26 June	Wednesday 27 June	Thursday 28 June	Friday 29 June
08		Bus transfer to Météo-France	Bus transfer to Météo-France	Bus transfer to Météo-France	Bus transfer to Météo-France	Bus transfer to Météo-France
09		Registration & Coffee	Session 4A MIC - II	Session 4B ATM	Session 8A DQ	Session 8B NOW
10		Opening ceremony			Session 10 NET - I	Session 14 NWP
11		Keynote I (QPE)	Coffee break	Coffee break	Coffee break	Coffee break
12		Session 1 QPE - I	Keynote II (SAT)	Keynote III (SP)	Keynote IV (HS)	Keynote V (NMUR)
13		Lunch break	Session 5 SAT	Session 9 SP - I	Session 11 HS	Session 15 NMUR
14		Poster session Group I	Poster session Group I	Poster session Group II	Poster session Group II	Closing ceremony
15		Session 2 MIC - I	Session 6 QPE - III	Coffee break	Session 12 RCS	Lunch break
16		Coffee break	Coffee break	Bus transfer to Toulouse	Coffee break	Bus transfer to Toulouse or to airport
17	Registration & cocktail at Hôtel d'Assezat downtown Toulouse	Session 3A QPE - II	Session 3B CR	Cruise on Garonne river	Session 13A NET - II	Session 13B SP - II
18		Icebreaker ceremony CIC - Météo-France	Bus transfer to Toulouse	Gala Dinner at Hôtel Dieu downtown Toulouse	Bus transfer to Toulouse	
19		Bus transfer to Toulouse	Cocktail at Toulouse City Hall			
20						
21						

QPE	Quantitative Precipitation Estimation	ATM	Air Traffic Management	NOW	Nowcasting	NET	Networking	HS	Hydrological Studies
MIC	Microphysics	SAT	Space-borne Radars	SP	Signal Processing	RCS	Radar Case Studies		
CR	Cloud Radars	DQ	Data Quality	NWP	Numerical Weather Prediction	NMUR	Non Meteorological Use of Radars		

The 7th European Conference on Radar in Meteorology and Hydrology covers 13 topics. The programme is composed of 111 oral presentations and ~ 300 poster presentations.

Plenary sessions take place in the amphitheater of the Centre International de Conférences.

Parallel sessions take place in the amphitheater and in the Prudhomme room

Each oral presentation lasts 15 minutes. Keynote speakers have a 30 mn slot.

SOCIAL EVENTS

Sunday 24 June, 17:00-19:00 **Welcome Cocktail at Hôtel d'Assezat**

Collect your conference package and enjoy canapés and refreshments while roaming in the famous Hotel D'assezat. This town mansion in the Renaissance style is considered Toulouse' most elegant mansion. It was built in the second half of the XVIth century for Pierre Assézat, a prosperous merchant in the pastel trade that flourished at the time. The palace, which now belongs to the City of Toulouse, houses the **Bemberg Foundation**, an art gallery which presents to the public the personal collection of the wealthy Argentine Georges Bemberg (1915–2011). This collection of paintings by Monet, Manet, Bonnard, Tiepolo, and Toulouse-Lautrec, among others is one of the major private collections of art in Europe.

This social event is sponsored by **MÉTÉO-FRANCE**.

Monday 25 June, 19:00-21:00 **Musical Icebreaker**

Enjoy canapés and refreshments while listening to a great Jazz band playing live on the deck of the Centre International de Conférences.

This social event is sponsored by **VAISALA**.

Tuesday 26 June, 19:30-20:30 **Cocktail at Toulouse City Hall**

Enjoy refreshments in the 18th-century Capitole, home of Toulouse city hall and of the city's highly regarded opera company.

This social event is sponsored by **Municipality of TOULOUSE**

Wednesday 27 June, 17:00-19:00 **Cruise on the Garonne River**

After 3 intensive conference days, relax and enjoy a nice cruise on the Garonne River.

This social event is sponsored by **MÉTÉO-FRANCE**.

Wednesday 27 June, 19:30-22:30 **Banquet at Hôtel Dieu**

Enjoy a great dinner in Toulouse's most prestigious reception rooms: The Hall of Columns and the Hall of Pilgrims both located in the majestic Hôtel Dieu, a XIIIth-century building built on the banks of the Garonne River.

This social event is sponsored by **SELEX-GEMATRONIK**

ERAD 2012 is sponsored by

