



FERRARA - ITALY - 2015

# 3<sup>rd</sup> COASTAL AND MARITIME MEDITERRANEAN CONFERENCE

CM<sup>2</sup>

UNION FOR THE MEDITERRANEAN

THE PO DELTA



FERRARA

**Mediterranean coasts at threat:  
Hazards and challenges in the context of climate variability**

**FERRARA - ITALY  
25-27 NOVEMBER 2015**



UNIVERSITÀ  
DEGLI STUDI  
DI FERRARA  
- EX LABORE FRUCTUS -



# Program

**Wednesday 25 November and Thursday 26 November 2015**

**Department of Architecture - Palazzo Tassoni, Via della Ghiara 36, Ferrara, Italy**

**Wednesday 25 November 2015**

## **MORNING**

**8:30-9:00 - Welcome to the Conference – Registration**

**9:00-9:30 - Opening session – Welcome by University Authorities**

**9:30-10:00: Keynote lecture:**

***The increasing vulnerability of river deltas in the Mediterranean***

**Edward J. ANTHONY (Aix-Marseilles University, IUF, CEREGE, Aix-en-Provence, France)**

**10:00-11:00 - Theme III – Session A**

**Sediment transports: Problems and solutions  
(Large room 1<sup>st</sup> floor)**

**Chairman: Pr E. Anthony (Aix-Marseille University, France)**

**10:00-10:20** - Fast retreat of a barrier system due to reduced sediment supply (Bellocchio, Northern Adriatic Sea, Italy)

Duccio BERTONI, Clara ARMAROLI, Paolo CIAVOLA

**10:20-10:40** - Regional sediment management strategies, Methods and tools for the Mediterranean region

Christophe BRIERE, Alessio GIARDINO

**10:40-11:00** - Recent evolution of the Vendicari barrier system, Southern Sicily, Italy

Paolo CIAVOLA, Marco BIRRITTIERI

**11:00-11:20** - Contribution des relevés photogrammétriques par drone pour l'analyse de la dynamique côtière – Application sur un site de la côte sableuse catalane

Rémi BELON, Ywenn DE LA TORRE, Virginie SIBERT, Xavier MOURoux

**10:00-11:20 - Theme III – Session B**

**Sustainable management of sediments  
(Small room 1<sup>st</sup> floor)**

**Chairman: Dr Y. Balouin (BRGM, France)**

**10:00-10:20** - Caractérisation des sédiments fins des retenues hydroélectriques en vue d'une pré-orientation vers des filières de valorisation matière

Baptiste ANGER, François THERY, Daniel LEVACHER

**10:20-10:40** - Feasibility study of chemical stabilization of dredged marine sediment

Ana Paula FURLAN, Andry Rico RAZAKAMANANTSOA, Yingjie LIANG, Dimitri DENELEE

**10:40-11:00** - Valorisation *in situ* des sédiments anthropiques des canaux du nord de la France

Philippe DHERVILLY, Mickaël BERTRAND, Daniel LEVACHER

**11:00-11:20** - Sediment's vitrification from industrial sites and their reuse as secondary raw materials for mineral wool production

Sergio CAPPUCCI, Floriana LA MARCA, Roberto FALCONE, Nicole FABRIZIO, Silvia DE POL

**11:20-11:40 – Coffee break**

**11:40 -13:00 - Theme III – Session A**

**Sediment transports: Problems and solutions  
(Large room 1<sup>st</sup> floor)**

**Chairman: Pr P. Ciavola (University of Ferrara, Italy)**

**11:40-12:00** - The role of particle shape on pebble transport in a mixed sand and gravel beach (Portonovo, Italy)

Edoardo GROTTOLI, Duccio BERTONI, Paolo CIAVOLA, Alessandro POZZEBON

**12:00-12:20** - Etude du fonctionnement hydro-sédimentaire de la zone portuaire de Sidi Bou Saïd, Tunisie

Wissem EL GHARBI, Noomane HAOUEL, Hedia SALHI, Pierre FARNOLE

**12:20-12:40** - Sediment budget and management of the

**11:40 -13:00 - Theme III – Session B**

**Sustainable management of sediments  
(Small room 1<sup>st</sup> floor)**

**Chairman: Pr D. Levacher (Caen University, France)**

**11:40-12:00** - Rheological behaviour of marine sediments for assessing nautical depth

Ahmed BENAMAR, Anne PANTET, Sébastien BRASSELET, Frédérique BOURDIN

**12:00-12:20** - Monitoring turbidity and sediment re-suspension induced by channel dredging and subaqueous disposal in a deficit lagoon

Annelore BEZZI, Raffaella PIANI, Simone PILLON, Marco LIPIZER, Antonio BRATUS, Giorgio FONTOLAN

**12:20-12:40** - DTA and TGA of organic estuarine sediments.

Veneto beaches, Italy: an application of the modified Littoral Cells Management System (SICELL)

Giorgio FONTOLAN, Annelore BEZZI, Davide MARTINUCCI, Simone PILLON, Chiara POPESSO, Federica RIZZETTO

**12:40-13:00** - Sustainable beach design for Raf Raf, Tunisia

Nicholas GRUNNET, Sten KRISTENSEN, Kasper KAERGAARD, Jort WILKENS, Béchir NASRA

Application to the reusing of dredged materials

Alain GROVEL

**12:40-13:00** - L'envasement du barrage de Bouhanifia : dragage et valorisation des sédiments

Fatiha KAZI AOUAL-BENSLAFA, Mohammed AMEUR, Belkacem MEKERTA, Abdelaziz SEMCHA

### 13:00-14:00 – Lunch

## AFTERNOON

### 14:00-16:00 - Theme I – Session A

**Coastal risk management in the Mediterranean  
(Large room 1<sup>st</sup> floor)**

**Chairman: Dr D. Pham Van Bang (CEREMA, France)**

**14:00-14:20** - Video monitoring of soft coastal defenses at the Lido of Sète, France

Yann BALOUIN, François LONGUEVILLE, Yohan COLOMBET

**14:20-14:40** - The role of the Wadi flood in the spatio-temporal sedimentary morphodynamics evolution in an arid/semi-arid beach: Wadi Ksob and Essaouira beach (Morocco)

Abdelhadi EL MIMOUNI, Lahcen DAOUDI, Fatima Zahra OMDI, Laarbi LAHMADI, Fouad LOTFI

**14:40-15:00** - Le risque de tsunami dans quelques pays méditerranéens (France, Italie, Espagne et Turquie) : connaissance de l'aléa, perception et gestion du risque

Lydie GOELDNER-GIANELLA, Delphine GRANCHER, Nuray KARANCI, Nilay DOGULU, Utku KANOGLU, Stefano TINTI, Filippo ZANIBONI, Franck LAVIGNE, Daniel BRUNSTEIN

**15:00-15:20** - Systèmes de protection contre les submersions marines Retour d'expérience Xynthia. Conclusions des études de cas

Marc IGIGABEL, Yves NEDELEC, Nicolas FLOUEST, Nathalie BERENGER, Patrick CHASSE, Alexis BERNARD, Christian PITIE

### 14:00-16:00 - Theme II – Session B

**Coastal and port maritime planning  
(Small room 1<sup>st</sup> floor)**

**Chairman: Dr. M. Sanchez (Nantes University, France)**

**14:00-14:20** - Géocorail® pour la protection contre l'érosion et l'affouillement aux pieds des ouvrages maritimes

Brahim BENAÏSSA, Nicolas VERJAT, Marc JEANNIN, Alaric ZANIBELLATO

**14:20-14:40** - Estimation du tassement de la plateforme de l'extension du port d'Alger renforcé par des colonnes ballastées

Sadok BENMEBAREK, Zakaria BOUROAOUI, Naima BENMEBAREK, Fatima DERIAS

**14:40-15:00** - Efficient inspection work of hydraulic structures including on-site physical testing

Baerbel KOPPE, Marc GUTERMANN

**15:00-15:20** - Technique non destructive innovante pour la détermination de la tension dans des tirants d'ancrage

Laurent MITAINE, Jean-Jacques RINCENT

**15:20-15:40** - "OPP Amers" : Prendre la mer pour regarder la terre

Odile JACQUEMIN, Jean-Louis PACITTO

### 15:40-16:10 – Coffee break

### 16:10-17:10 - Theme I – Session A

**Coastal risk management in the Mediterranean  
(Large room 1<sup>st</sup> floor)**

**Chairman : Pr. G. Fontolan (University of Trieste, Italy)**

**16:10-16:30** - Modélisation numérique de l'aléa de submersion appliquée à l'élaboration des plans d'évacuation et à la gestion de crise, exemple de la commune de Leucate

Alexandre NICOLAE LERMA, François PARIS, Sylvain ELINEAU, Yann BALOUIN, Sophie LECACHEUX, Paul DURAND, Brice ANSELME, Stéphanie DEFOSSEZ, Lydie GOELDNER GIANELLA

**16:30-16:50** - Coastal flood risk in Emilia-Romagna (Italy): the

### 16:10-17:10 - Theme II – Session B

**Coastal management - New approaches  
(Small room 1<sup>st</sup> floor)**

**Chairman: G. Herrouin (Consultant, Pôle Mer Méditerranée, La Seyne-sur-Mer, France)**

**16:10-16:30** - État d'avancement d'un guide sur la réversibilité des éoliennes offshore

Julie DROIT, Hervé DITCHI

**16:30-16:50** - Marine ecological engineering: a sustainable solution for coastal and port infrastructures

Julie. R. PERSON, Manon. L. PEDRONI

**16:50-17:10** - Création d'un outil Arcgis pour l'évaluation de la submersion marine et de la sensibilité à l'érosion –

sea storm of February 2015

Luisa PERINI, Lorenzo CALABRESE, Samantha LORITO, Paolo LUCIANI

**16:50-17:10** - Manipulation des MNT haute résolution pour détecter les obstacles aux submersions marines et cartographier les phénomènes - Exemples sur la côte méditerranéenne française

Céline TRMAL, Frédéric PONS

Application sur les plages de poche de Haute-Corse

Rémi BELON, Amandine CALISTRI, Grégoire DECTOT

**17:10-18:10 – Poster session**

## **Thursday 26 November 2015**

### **MORNING**

**8:30-9:00 - Welcome to the conference – Registration**

**9:00-9:30 - Opening session**

**9:30-10:00: Keynote lecture:**

**Sea energies: Mediterranean potential**

**Pr. Diego VICINANZA (Seconda Università degli Studi di Napoli, Italy)**

**10:00-11:20 - Themes I & II – Session A**

**Impacts on coastal planning**

**(Large room 1<sup>st</sup> floor)**

**Chairman: Pr. D. Vicinanza (Seconda Università di Napoli, Italy)**

**10:00-10:20** - Impact des infrastructures maritimes sur le littoral : cas du port de Cap Djinet (Algérie)

Rabah BELKESSA, Hosseyn OTMANI, Fouzia HOUMA BACHARI

**10:20-10:40** - Réponse des populations phytoplanctoniques (kystes et formes végétatives) face aux changements environnementaux dans les lagunes de Sidi Moussa et Oualidia, Marocand Oualidia Lagoons

Lamia DAGHOR, Touria HSSAIDA, Naima HAMOUMI, Sara CHAKIR, Btissam ENEFFAH, Mohamed FRAIKCH

**10:40-11:00** - Marinas under the risks of climate changes

Heiner HAASS

**11:00-11:20** - Changement climatique et évolution des tempêtes dans les zones côtières algériennes: approche par intégration d'échelles spatio-temporelles

Lamri NACEF, Nour El Islam BACHARI, Moussa MENNAD

**10:00-11:20 - Theme IV – Session B**

**Sediment delivery to the sea**

**(Small room 1<sup>st</sup> floor)**

**Chairman : Pr. P. Billi (University of Ferrara, Italy)**

**10:00-10:20** - Distribution des sédiments fins depuis le bassin versant de l'oued Isser à son embouchure en Méditerranée (Boumerdès, Algérie)

Mohamed BOUHMA DOUCHE

**10:20-10:40** - Sediment delivery at sea by the Magra River, Northern Italy

Sergio CAPPUCCI, Iolanda LISI, Paolo CIAVOLA, Lorenzo ROSSI

**10:40-11:00** - Impact hydro-morphologique en aval du barrage d'Ouzert sur son affluent principal l'oued Sahout (Nord-Ouest d'Algérie)

Habib GUESSAS, Belkacem MEKERTA, Abdélaziz SEMCHA, Fatiha KAZI-AOUAL, Mohammed AMEUR

**11:00-11:20** - Distribution transitoire des matières en suspension dans un écoulement unidirectionnel non uniforme

Martin SANCHEZ

**11:20-11:40 – Coffee break**

**11:40 -13:00 - Theme I – Session A**

**Storm management**

**(Large room 1<sup>st</sup> floor)**

**Chairman: Dr. C. Armaroli (University of Ferrara and CFR Italy)**

**11:40-12:00** - Impacts of Storm Dirk on a gravel replenished

**11:20 -13:00 - Workshop I – Session B**

**Recent developments in maritime hydraulics**

**(Small room 1<sup>st</sup> floor)**

**Chairman: Dr J. Bougis (Consultant, Opio, France)**

**11:40-12:00** - Waves and currents propagation through porous media: model experiments and scale effects

shore: Preliminary results on Nice beach, French Riviera  
Olivier COHEN, Rémi DUMASDELAGE, Edward J. ANTHONY  
**12:00-12:20** - A conceptual morphodynamic model  
including storm impacts for macrotidal barred beaches  
Mathieu GERVAIS, Yann BALOUIN, Raphael CERTAIN  
**12:20-12:40** – Mitigating beach erosion in storm conditions  
with a submerged breakwater: an experimental study  
Mathieu GERVAIS, Damien PHAM-VAN-BANG, Vincent  
VIDAL, Marissa YATES, Michel BENOIT  
**12:40-13:00** - Coarse-grained beach response after storms  
in three Italian sites  
Edoardo GROTTOLI, Duccio BERTONI, Paolo CIAVOLA

Gwendoline ARNAUD, Vincent REY, Damien SOUS, Julien  
TOUBOUL, Fabrice GOUAUD  
**12:00-12:20** - Détermination dynamique de la production  
naturelle des aérosols marins côtiers en Méditerranée  
occidentale  
Rabia MERROUCHI, Soumia MORDANE  
**12:20-12:40** - La méthode de décomposition du domaine :  
Application à un problème de soutirage  
Soumia MORDANE , Khalid ADNAOUI, Mohamed LOUKILI,  
Noureddine TOUNSI, Mohamed CHAGDALI  
**12:40-13:00** - Wave-bottom-current interaction in the  
presence of a 3D bathymetry: effects on the vertical  
sheared current and enhancement of transverse wave  
modes  
Vincent REY, Julien TOUBOUL

**13:00-14:00 – Lunch**

## **AFTERNOON**

**14:00-16:00 - Theme III – Session A**  
**Sediment transports: Problems and solutions**  
**(Large room 1<sup>st</sup> floor)**

**Chairman: Pr. M. Sedrati (University of South Brittany, France)**

**14:00-14:20** - The historical practice of disposal of dredged  
sediments in the Grado and Marano lagoon: evaluation of  
geomorphological, evolutionary and functional perspective  
of the resulting artificial salt-marshes

Annelore BEZZI, Eleonora DRIUSSO, Davide MARTINUCCI,  
Giorgio FONTOLAN

**14:20-14:40** - Feasibility long-term numerical study of a  
mega-nourishment in the Northern Adriatic

Enrico DUO, Alessandra CASARI, Paolo CIAVOLA

**14:40-15:00** – Application of the SfM photogrammetry for  
morphological changes in various beach environments:  
Dugi Rat case study (Croatia)

Kristina PIKELJ, Suzana ILIĆ, Mike R. JAMES, Branko KORDIĆ

**15:00-15:20** - Spatial and temporal evolution and  
morphodynamic zonation of the Ravenna shoreface

Flavia SISTILLI, Federico SCARELLI, Francesco STECCHI,  
Stefano FABBRI, Luigi CANTELLI, Giovanni GABBIANELLI

**15:20-15:40** - Mouvement de l'ancienne flèche de la  
Mejerda et son impact sur le port abri de Kalat Landalous  
au nord-ouest du golfe de Tunis

Rafik BENCHARRADA, Saber AMIRA

**15:40-16:00** - A new beach nourishment strategy for  
Bibione littoral

Massimo TONDELLO

**14:00-16:00 - Theme III – Session B**  
**Management of contaminated sediments**  
**(Small room 1<sup>st</sup> floor)**

**Chairman: Dr G. Russo (University of Cassino and Southern Lazio, Italy)**

**14:00-14:20** - Degré de pollution marine par les métaux  
lourds dans les sédiments superficiels des principaux ports  
algériens

Farid ATROUNE

**14:20-14:40** - Etude de la pollution des vases marines des  
ports algériens par les hydrocarbures

Djamila BENYEROU, Nasr Eddine BOUDJENANE, Mansour  
BELHADRI

**14:40-15:00** - Sediment Characterisation of Favignana  
Harbour, Egadi Island, Italy

Sergio CAPPUCCI, Floriana LAMARCA, Massimo MAFFUCCI,  
Riccardo FERRANTINI

**15:00-15:20** - Caractérisation physique et  
environnementale des sédiments du port de pêche de Sfax

Nesma FEKI, Mnissi MBARKA

**15:20-15:40** - Evaluation de l'impact des actions  
anthropiques sur la lagune de Nador (Maroc) par l'indice de  
la charge de pollution de ses sédiments

Mohammed SADDIK, Benhichoou BADR

**15:40-16:00** - Dredged sediments treatment by  
electrokinetics

Yue SONG, Ahmed BENAMAR, Mohamed AMMAMI

**16:00-16:30 – Coffee break**

**16:30-17:50 - Theme II – Session A**  
**Sediment transports: Problems and solutions**  
**(Large room 1<sup>st</sup> floor)**

**Chairman: Dr K. Pikelj (Zagreb University, Croatia)**

**16:30-16:50** - Etude océanographique et géophysique de la future centrale électrique

Mohamed Amine ELHADDAD, Adel ZERMOUT, Hamid BOUALI

**16:50-17:10** - Video based assessment of coastal erosion impact on beach attendance. Application to coastal management of Valras beach, France

Didier RIHOUEY, Damien DAILLOUX

**17:10-17:30** - AlgoBox® : Un outil écologique pour la régénération des pieds de dunes grâce aux échouages de macro-algues

Mouncef SEDRATI, Julia COCHET

**16:30-17:50 - Theme III – Session B**  
**Sustainable management of sediments**  
**(Small room 1<sup>st</sup> floor)**

**Chairman: Dr S. Cappucci (ENEA, Italy)**

**16:30-16:50** - Exploitation des sables de plage et des dunes côtières. Impact sur l'équilibre du littoral entre Boumerdès et Zemmouri El Bahri. (Est-Algérois) Algérie

Hanifa HABIKI, Lazreg BENSLAMA

**16:50-17:10** - Résistance au cisaillement des sédiments - Utilisation du T-bar en laboratoire et effet du diamètre

Daniel LEVACHER, Andry RAZAKAMANANTSOA, Ritesh GUPTA

**17:10-17:30** - Lime treatment procedures for the reuse of dredged marine sediments

Giacomo RUSSO, Dimitri DENELE, Paolo CROCE, Giuseppe MODONI

**17:30-17:50** - Conception d'éco-matériaux à partir de sédiments

Abdélaziz SEMCHA, Belkacem MEKERTA, Fatiha KAZI-AOUAL, Mohamed AMEUR, Hafida MAAROUF

**17:50-18:20 – Closing session and announcement for CM2 - 2017**

**20:00 – Gala Dinner at the Estense Castle (Imbarcadero n.1)**

## **During the first two days of the Conference**

### **Permanent poster session**

- 1.- Etude de la bioaccumulation des métaux lourds chez les organismes aquatiques de oued Moulouya, outil au service d'une gestion intégrée de la zone côtière (GIZC) du littoral méditerranéen du Maroc Nord Oriental (Saidia)  
Yahya BASRAOUI, Abdelhafid CHAFI
- 2.- Cartographie du fond marin par les méthodes de sismique réflexion et du sonar latéral  
Souad BATATA SABETE
- 3.- Le Réseau Marocain des Sciences et Ingénierie de la Mer (MARSIMER)  
Naima HAMOUMI
- 4.- Une approche paramétrique pour l'analyse du pouvoir d'adsorption du cadmium sur une bentonite naturelle saturée  
Azzedine OULARBI

## **Friday 27 November 2015**

### **MORNING**

#### **Technical visits of Venice arsenal and restored harbour zones**

**8:00 - Bus departure to Venice from Largo Castello (next to the Castle, in Ferrara)**

**10:15 - Arrival at Tronchetto of Venice and boat to the Arsenal**

**11:00 - Arrival in Arsenal and Presentation fo the MOSE**

**11.45 - Visit of the « control room »**

**12.15 - Visit of the dry docks**

**12:45-14:00 - Lunch on site (Arsenal dining hall)**

**14:00 - Boat back to Venice**

**15:00 - Bus back to Ferrara**

**PLEASE NOTE:** All conference participants are invited to confirm their presence to the Field Trip at the Secretariat Desk during the registration.

## ORGANIZERS

This conference is organized by:

**Pôle Mer Méditerranée** with its partners: the Centre Français du Littoral association – CFL, the CEREMA-EMF and the French companies concerned with the Mediterranean and the conference topics,

**University of Ferrara** with its partners: Consorzio Futuro in Ricerca and Italian companies, research institutes and public authorities concerned with the Mediterranean and the conference topics and other international sponsors.

## SCIENTIFIC COMMITTEE

### Presidents

BARDEY Philippe, Pôle Mer Méditerranée-ACRI, Toulon, France and CIAVOLA Paolo, University of Ferrara, Italy

## REVIEW COMMITTEE

### Presidents

ARMAROLI Clara, Consorzio Futuro in Ricerca, Italy and SANCHEZ Martin, University of Nantes, France.

## ORGANIZING COMMITTEE

### President

CIAVOLA Paolo, University of Ferrara, Italy.

### Vice- Presidents

ARMAROLI Clara, Consorzio Futuro in Ricerca, Italy; RAYMOND Eve, Pôle Mer Méditerranée, Toulon, France.

### Members

BERTONI Duccio (University of Ferrara), DUO Enrico (University of Ferrara), GROTTOLO Edoardo (University of Ferrara).

### French and Italian companies, institutes and public authorities

Consorzio Futuro in Ricerca, ENEA, Consiglio Nazionale delle Ricerche, Centre français du Littoral, CFL – Paralia, Nantes, France; Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement, CEREMA-EMF, Aix-en-Provence and Compiègne, France; Pôle Mer Méditerranée, Toulon, France; SCS-Ingénierie, Opio, France ; Regione Emilia-Romagna.

## COMMUNICATIONS

The official language is **English**; **French** was accepted for written papers only

Communications will be held either in the form of an oral presentation which will last 20 minutes including questions, or as a poster presentation for 5 minutes. They will be collected on a USB key delivered at the conference. They will also be available on line 15 days after the conference on the website <http://www.paralia.fr> . Only papers presented at the conference will be on-line and provided with a DOI.

## CONFERENCE BULLETIN CONSULTATION

Conference bulletin is permanently available on line on website <http://www.paralia.fr>

## Scientific secretariat for the special Coastal and Maritime Mediterranean Conference

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Site web: <http://www.paralia.fr>

## **USEFUL INFORMATION**

### **Conference Venues**

**25-26/11 PALAZZO TASSONI - DEPARTMENT OF ARCHITECTURE, ADDRESS: VIA DELLA GHIARA 36, FERRARA, ITALY**

**Registration Desk, exhibitors and refreshments: ground floor**

**Plenary Room, Parallele Room, Poster Session on first floor**

**26/11 ESTENSE CASTLE, ADDRESS: LARGO CASTELLO 1 (ENTRANCE FORM PIAZZA CASTELLO)**

**Dinner at Imbarcadero Hall (inside de Estense Castle)**

**27/11 LARGO CASTELLO (NEXT TO THE ESTENSE CASTLE) – DEPARTURE AND RETURN SITE FORM/TO VENICE**

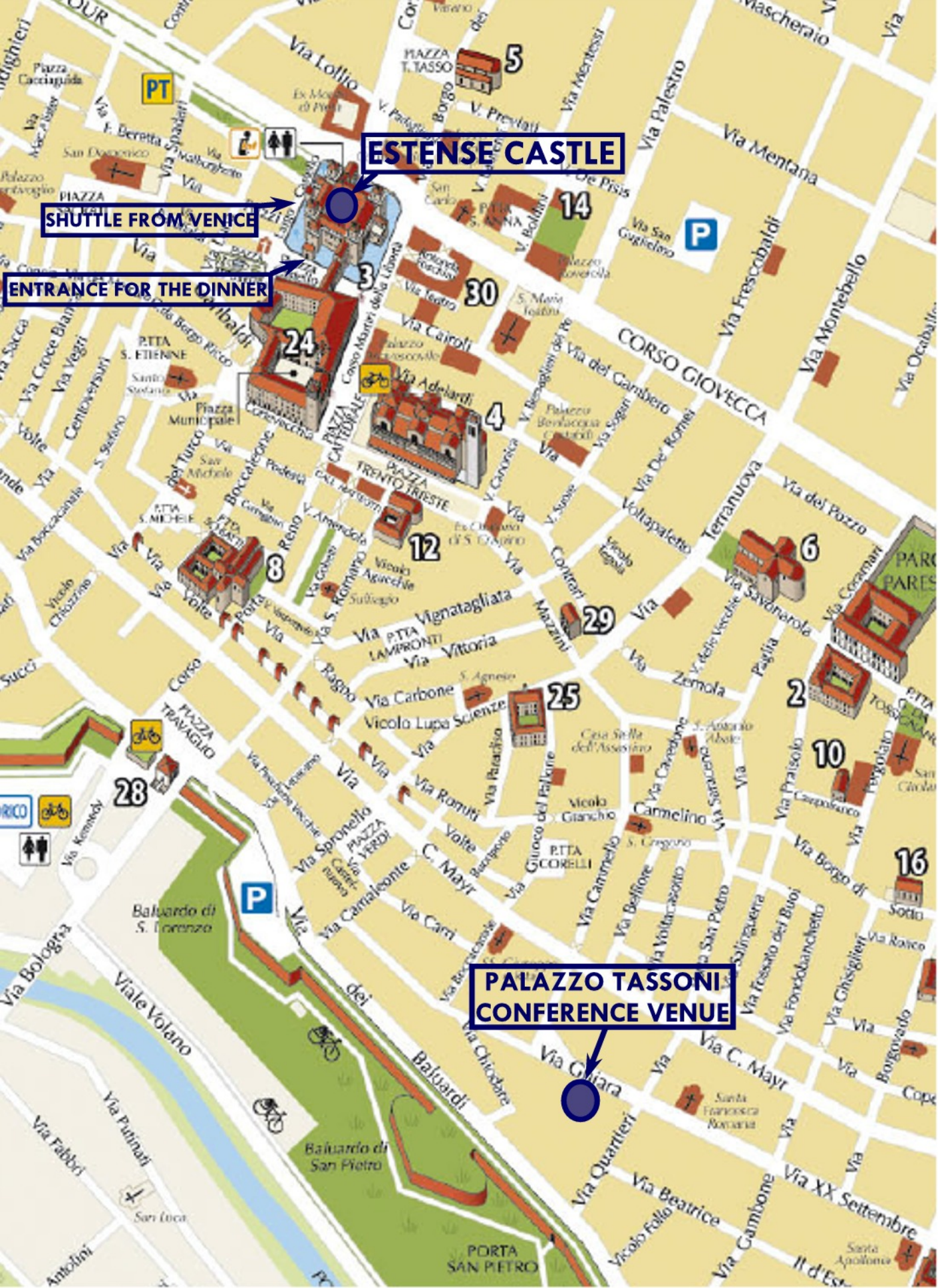


**ESTENSE CASTLE**

**SHUTTLE FROM VENICE**

**ENTRANCE FOR THE DINNER**

**PALAZZO TASSONI  
CONFERENCE VENUE**



## Conference site - Registration session

The plenary opening session, the keynote lectures, the parallel technical sessions, the technical exhibition will be held in the historical **Tassoni building** of the University of Ferrara which is located in the medieval city centre, in Via della Ghiara 36.

**Registration starts at 8.30 on Nov 25<sup>th</sup>, 2015, at Tassoni building-ground floor.**

Conference badges and kit will be consigned during the registration. Payments will be allowed during the registration process, only cash is accepted.

## Registration desk

A Registration desk will be present during the all duration of the Conference at Tassoni building.

For administrative matters before and after the Conference please contact the Conference Secretariat (Conference and Training Office - **Margherita Franzoni** | e-mail: [convegni@unife.it](mailto:convegni@unife.it))

## Name badge

All registrants for **CM2**, exhibitors, desk staff and technical staff members will receive a badge. **Everybody is asked to wear this badge at all Scientific sessions, Gala dinner, and Field trip.**

## Wireless network

A wireless network is available in the Tassoni building. Participants can ask for the password and ID at the Secretariat desk, ID card or passport are strictly required.

## Coffee breaks and lunches

Coffee breaks and lunches are included in the registration fee and will be served at Tassoni building (ground floor).

## Conference social event

**November 26<sup>th</sup>, 2015**

**h. 20.00: Access to the Estense Castle and Gala Dinner at the Imbarcadero hall (inside the Estense Castle).**

This event is included in the registration fee and is open to all the CM2 participants.

The Estense Castle is located in the Ferrara centre within 15 minutes walk from the conference venue (Via della Ghiara, 36 Ferrara).

All participants are asked to meet the hostess at 20.00 in the Castle entrance and exhibit the voucher for the dinner consigned during the registration.,

PLEASE NOTE: All conference participants are invited to confirm their presence at the Secretariat Desk during the registration.

## How to get to Ferrara

### By Plane

#### **BOLOGNA - G. MARCONI AIRPORT**

Distance from Ferrara: 52 km

BUS&FLY Shuttle to FERRARA, 60 min. journey, daily scheduled departures every 2 h 30'. Shuttle bus every 20 minutes to Bologna Centrale railway station, and from there direct trains to Ferrara every hour.

To learn more about the quick transfer from Bologna Airport to Ferrara please visit: <http://www.ferrarabusandfly.it>

#### **VENEZIA (Venice) – MARCO POLO AIRPORT**

Distance from Ferrara: 120 km

Shuttle bus every 20 minutes to Venezia Mestre railway station, and from there direct trains to Ferrara every hour. Average journey time (excluding shuttle bus): 1 hour 30 minutes.

#### **VERONA – VALERIO CATULLO AIRPORT**

Distance from Ferrara: 100 km.

Shuttle bus every 20 minutes to Verona railway station, and from there trains to Ferrara (changing at Padova). Average journey time (excluding shuttle bus): 2 hours 15 minutes.

### By Train

Please visit Trenitalia web site at [www.trenitalia.com](http://www.trenitalia.com)

Railway station: Ferrara Station

Ferrara Station is the principal station for the city and the province. It is served by the Bologna-Padova line. There are direct trains to Rovigo, Padova, Venezia (Venice), Bologna, Firenze (Florence), Roma (Rome), Napoli (Naples), Pescara and Vienna.

The station is connected by a pedestrian subway to the Via del Lavoro carpark (285 spaces) and to the West Terminal of the Bus Station.

Terminus for city bus lines 1 - 2 - 3C - 4C - 9 – 21.

## By Car

The **A13 Bologna-Padova** Autostrada (motorway or highway) with its 'Ferrara Nord' and 'Ferrara Sud' exits.

The A13 is connected to the A1 Milano-Napoli route which in turn connects to all the major roads in northern Italy: the A21 Torino to Piacenza, A22 Brennero to Modena, A15 La Spezia to Parma, and the A14 Bologna to Taranto.

### Parkings

The center of Ferrara is served by 3 major parkings and several minor parkings, see map below.

Parkings 2 and 3 are the nearest to the Conference venue.

For details visit the official site of parking and rates of Ferrara, with interactive maps, webcams, and parking availability in real time: [www.ferraratua.com](http://www.ferraratua.com)



### City map inside the walls

- P** Addresses Car parks:
1. ex MOF - v. Darsena 140
  2. Centro Storico- v. Darsena 66
  3. via dei Baluardi
  4. via Rampari di S.Rocco
  5. p.zza Sacrati
  6. p.zza S.Etienne
  7. via Cortecvecchia
  8. Diamanti - v. Arianuova 25
- P** via San Guglielmo

## Useful hints

For useful information about Ferrara please visit the Official web site of Ferrara and its Province at

[http://www.ferraterraacqua.it/en?set\\_language=en](http://www.ferraterraacqua.it/en?set_language=en)

### Main Tourist Information Office of Ferrara

The **IAT Tourist Office** is in the historic centre of Ferrara, at the Estense Castle, heart of the city. Located on the ground floor, the office opens onto the courtyard of that splendid building. The entrance can easily be recognised by the international sign for information.

### Working Days

**Weekdays:** 9.00-13.00 / 14.00-18.00. **Holidays:** 9.30-13.00 / 14.00-17.00.

Phone: +39 0532 209370 / 299303

e-mail: [infotur@provincia.fe.it](mailto:infotur@provincia.fe.it)

web site: <http://www.ferrarainfo.com>

**Weather** <http://www.ferraterraacqua.it/en/weather-information>

**Electricity:** 230v – 50hz

### Opening hours:

**Banks** : opening/closing hours are tentatively from Monday to Friday 8.30 - 13.30 – 15.00-17.00, depending on the single Institution.

**ATM** are available during all the days.

**Stores:** from Monday to Saturday form 9.00 to 12.30 and from 15.30 to 19.30. Closing day on Thursday afternoon.

**SEE YOU IN FERRARA!!!**