

1) Kick of meeting – June 2014



Santorini, Greece
15-18 June 2014

Kick Off Meeting of the project

LARGE MULTIPURPOSE PLATFORMS
FOR EXPLOITING RENEWABLE ENERGY IN OPEN SEAS
PLENOSE - PIRSES-GA-2013-612581

SEVENTH FRAMEWORK PROGRAMME - THE PEOPLE PROGRAMME
International Research Staff Exchange Scheme

UNIVERSITÀ MEDITERRANEA

The poster features logos for Marie Curie Actions, the People Programme, and the University of Mediterranean. It has a dark blue background with white and yellow text.

The project has been started via the kick-off meeting held in June 2014, in Santorini, during the CSM conference. During that meeting, the first arrangements for the projects have been planned. Specifically, consortium has defined the first secondments and required modifications to the initial Gantt chart. The key joint activities have been identified considering the scientific background of each partner and the scientific interest of their members.



Università Mediterranea di Reggio Calabria

From left to right:
Bruno Gaspar (Instituto Superior Tecnico, Lisbon, Portugal), Michael Beer (University of Liverpool, United Kingdom), George Deodatis (Columbia University, New York, USA), Valentina Laface, Felice Arena, Alessandra Romolo (Mediterranea University, Reggio Calabria, Italy), Pol Spanos (Rice University, Houston, USA), Giovanni Malara (Mediterranea, Italy)

Kick Off Meeting, PLENOSE project - IRSES
Santorini, June 15-18, 2014

The slide includes a photograph of eight people (seven men and one woman) standing outdoors at night in front of a building. It also features the logos of the University of Mediterranean and the Marie Curie Actions/People Programme.

2) NOEL-UNIRC – Seminar Professor Spanos (Rice University, Houston, Texas, USA)

Lectures by Prof. Pol D. Spanos



The first seminar was given by Prof. P.D. Spanos in September 2014, during his secondment in UNIRC. In this context, he worked with the ESRs and ERs on possible future developments of the project.



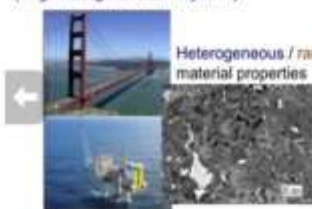
AVVISO DI SEMINARI

Venerdì 19 settembre, ore 11:30

Natural Ocean Engineering Laboratory (NOEL), lungomare Falcomatà
Località Rada delle Mura Greche, Reggio Calabria



(Engineering Structural System)



EFFICIENT MONTE CARLO SIMULATIONS FOR NONLINEAR DYNAMIC SYSTEM RESPONSES

&

EMERGING SIGNAL PROCESSING AND RESPONSE DETERMINATION TECHNIQUES IN STOCHASTIC STRUCTURAL DYNAMICS

(earthquake, wind, ocean waves, blast excitations, etc)



Prof. Pol D. Spanos

Lewis B. Ryon chair Rice University

In collaborazione con:

DICEAM, Università Mediterranea di Reggio Calabria, DICAM, Università degli studi di Palermo

I seminari sono organizzati nell'ambito delle attività del progetto Marie Curie "LARGE MULTIPURPOSE PLATFORMS FOR EXPLOITING RENEWABLE ENERGY IN OPEN SEAS", PLENOSE, finanziato nell'ambito della action FP7-PEOPLE-2013-IRSES

Capofila: Università Mediterranea di Reggio Calabria – partners: University of Liverpool (UK); Instituto Superior Tecnico, Lisbon, (Portugal); Rice University, Houston (Texas, USA); Columbia University, New York (USA); Indian Institute of Technology of Madras (India) - Coordinatore scientifico del progetto: prof. F. Arena

PER INFORMAZIONI: CONTATTARE IL PROF. FELICE ARENA (arena@unirc.it; 3355387968)



3) Meeting at RENEW 2014 conference, Lisbon - November 2014

In November 2014, a second meeting was held in Lisbon. In this context, the partners discussed the key role of IITM within the project.

Meeting during the RENEW 2014 conference in Lisbon, 1st International Conference on Renewable Energies Offshore of partners of Mediterranea University, Instituto Superior Tecnico of Lisbon (Portugal) and Indian Institute of Technology Madras (India)



From right to left: Prof. Murali (IIT), Prof. Arena (UNIRC), Prof. Sundar (IIT), Prof. Guedes Soares (IST), Dr Romolo and Dr. Malara (UNIRC)



4) NOEL-UNIRC – Seminar Professor Murali Kantharaj (Indian Institute of Technology Madras, Chennai, India)

Professor Murali Kantharaj, Ocean Engineering Department, Indian Institute of Technology of Madras, Chennai, India gave a cycle of seminars on

CFD analysis in hydrodynamics

in the NOEL lab on December 1-2-3, 2014.



Università Mediterranea di Reggio Calabria



NOEL
NATURAL OCEAN ENGINEERING LABORATORY



D
I
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A
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Dipartimento di Ingegneria Civile,
dell'Energia, dell'Ambiente
e dei Materiali (DICEAM)

AVVISO DI SEMINARI

Lunedì 1 dicembre 2014, ore 15
Martedì 2 dicembre 2014, ore 10
Mercoledì 3 dicembre 2014, ore 10

Natural Ocean Engineering Laboratory (NOEL), lungomare Falcomatà
Località Rada delle Mura Greche, Reggio Calabria

CFD analysis in hydrodynamics

Prof. Murali Kantharaj
Ocean Engineering Department Indian Institute of Technology of Madras Chennai, India

I seminari sono organizzati nell'ambito delle attività del progetto Marie Curie "LARGE MULTIPURPOSE PLATFORMS FOR EXPLOITING RENEWABLE ENERGY IN 'OPEN SEAS'", PLENOSE, finanziato nell'ambito della action FP7-PEOPLE-2013-IRSES

Capofila: Università Mediterranea di Reggio Calabria – partners: University of Liverpool (UK); Instituto Superior Técnico, Lisbon, (Portugal); Rice University, Houston (Texas, USA); Columbia University, New York (USA); Indian Institute of Technology of Madras (India) - Coordinatore scientifico del progetto: prof. F. Arena

PER INFORMAZIONI: CONTATTARE IL PROF. FELICE ARENA (arena@unirc.it, 3355387968)

NOEL, Professor Murali Kantharaj
Reggio Calabria, www.noel.unirc.it





5) Seminar Professor V. Sundar (Indian Institute of Technology Madras, Chennai, India)

In April 2015, Prof. Sundar moved from IITM to IST cooperating with the ER and ESR of IST. During this secondment, he has short staying in UNIRC, where he gave a seminar on

Post-facto evaluation of coastal protection measures of the tsunami 2004 affected Indian coast



- 6) Columbia University. June 2015.**
Secondment of Dr. Edoardo Patelli, from the University of Liverpool to
Columbia University of New York.
He gave a seminar on
“Analysis of Systems in Presence of Aleatory and Epistemic Uncertainty.”



7) NOEL-UNIRC – Seminar Professor Sannasiraj S A (Indian Institute of Technology Madras, Chennai, India)

Seminar Prof. Sannasiraj S A – December 18, 2015– Title: *Wave Data Assimilation*

<http://www.plenose.unirc.it/activity/plenose-seminar/>



8) Indian Institute of Technology Madras, Chennai, India. Secondment of Professor Felice Arena from NOEL-UNIRC

March- April 2016. Course on “Extreme Waves in Ocean Engineering”, gave within the GIAN program.

<http://www.plenose.unirc.it/activity/gian-course-extreme-waves-in-ocean-engineering/>

Extreme Waves in Ocean Engineering



Dates for the Course	21 st March 2016 to 1 st April 2016
Host Institute	Indian Institute of Technology Madras, Chennai, India
No. of Credits	2

Course Faculty



Felice Arena is Professor in Ocean Engineering and Director of the Natural Ocean Engineering Laboratory (NOEL - www.noelunirc.it) at Mediterranean University of Reggio Calabria (Italy).



Prof. S.A. Sannasiraj is a faculty of Department of Ocean Engineering, Indian Institute of Technology Madras.

9) NOEL-UNIRC – Seminar Professor Spanos (Rice University, Houston, Texas, USA)

Project Marie Curie PLENOSE: lecture of Professor Pol Spanos in the NOEL

Secondment of Professor Pol Spanos from RICE University, Texas, USA at NOEL,UNIRC – July 19, 2016.

For details see:

Il prof. Pol D. Spanos
Lewis B. Ryon chair Rice University

terrà un seminario dal titolo

➡ ***EMERGING TOPICS IN*** ➡
STOCHASTIC MECHANICS
an open discussion with young researchers

Martedì 19 luglio 2016, ore 10,00



10) UNIRC - Seminar Professor V. Sundar (Indian Institute of Technology Madras, Chennai, India)

Marie Curie PLENOSE: Lecture of Professor Sundar, from Indian Institute of Technology Madras, Chennai, India.

Title:

'ADAPTATION TO NATURAL COASTAL HAZARDS AND SHORELINE MANAGEMENT PLAN-CASE STUDIES

Tuesday October 11, 2016, at 9:15A.M. in the "Aula dell'ex Consiglio della Facoltà di Ingegneria, fifth floor, Università Mediterranea di Reggio Calabria

<http://www.plenose.unirc.it/activity/marie-curie-plenose-seminario-del-prof-sundar-v-lecture-of-professor-sundar/>



11) University of Lisbon, IST. PLENOSE Meeting of UNIRC, IST, IIT Madras during the 2nd International Conference on Renewable Energies Offshore

24-26 October 2016 – Lisbon

<http://www.plenose.unirc.it/activity/2nd-international-conference-on-renewable-energies-offshore/>



The banner features a light blue background. In the top left corner is the IST logo (a blue shield with 'ist' in white) and the text 'TÉCNICO LISBOA' in black. In the top right corner is the CENTEC logo (a blue oval with 'CENTEC' in white). The main text is centered: '2nd International Conference on Renewable Energies Offshore' in black, followed by 'RENEW 2016' in large, bold, black letters. At the bottom, the dates '24 - 26 October 2016' and the location 'IST Congress Centre, Lisbon, Portugal' are listed in black.

TÉCNICO LISBOA

CENTEC

**2nd International Conference on
Renewable Energies Offshore**

RENEW 2016

24 - 26 October 2016
IST Congress Centre
Lisbon, Portugal

12) NOEL-UNIRC - Seminar Professor V. Sundar (Indian Institute of Technology Madras, Chennai, India)

June 22, 2017, at 10,30, the Natural Ocean Engineering Laboratory.

AN APPRAISAL ON OCEAN ENERGY IN THE INDIAN CONTEXT

by Professor Sundar V. from Indian Institute of Technology Madras, Chennai, India

<http://www.plenose.unirc.it/activity/an-appraisal-on-ocean-energy-in-the-indian-context-professor-sundar-v-from-indian-institute-of-technology-madras-chennai-india/>



13) NOEL-UNIRC. Professor Pol Spanos: POTENT METHODS FOR NONLINEAR STOCHASTIC MECHANICS

Secondment of professor Pol Spanos (RICE University, USA) at NOEL – July 12, 2017.

Seminar on “POTENT METHODS FOR NONLINEAR STOCHASTIC MECHANICS”

For details see:

<http://www.plenose.unirc.it/activity/prof-pol-spanos-potent-methods-for-nonlinear-stochastic-mechanics/>



- 14) **NOEL-UNIRC. Short-course “Stochastic Dynamics Techniques for Civil Engineering” given by Dr. Ioannis A. Kougiumtzoglou, from Columbia University of New York, during his Secondment at NOEL, UNIRC – July 2017**

<http://www.plenose.unirc.it/activity/short-course-stochastic-dynamics-techniques-for-civil-engineering/>



15) UNIRC - Seminar Professor Sriram V. (Indian Institute of Technology Madras, Chennai, India)

Lecture on “Numerical modelling in ocean engineering”, by Sriram V., Assistant Professor in IIT Madras
Secondment of Dr. Sriram V. at NOEL – **July 26, 2017**

<http://www.plenose.unirc.it/activity/lecture-on-numerical-modelling-in-ocean-engineering-by-sriram-v-assistant-professor-in-iit-madras/>



16) Seminar by Professor Felice Arena, UNIRC at Columbia University of New York

with title:

OCEAN WAVES: theoretical modelling, field experiments and energy exploitation

Secondment of Professor Felice Arena from Mediterranea University to Columbia University of New York – September 5, 2017

For details see:

<http://www.plenose.unirc.it/activity/seminar-by-professor-felice-arena-at-columbia-university-of-new-york/>

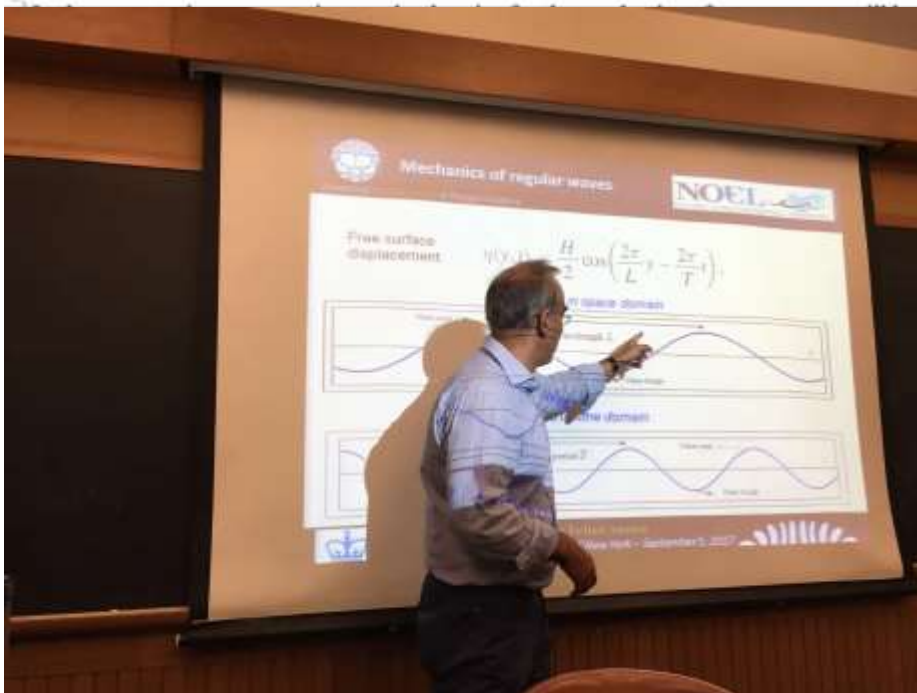
Department of Civil Engineering and Engineering Mechanics
Columbia University

Ocean Waves: Theoretical Modelling, Field Experiments and Energy Exploitation



Felice Arena
Mediterranea University of Reggio Calabria

Tuesday, September 5, 2017
Time: 2:30PM-3:30PM
Location: 411 Hamilton Hall



17) Indian Institute of Technology Madras, Chennai, India: meeting with colleagues from University of Liverpool-

Organized in Chennai, IIT Madras, in November 2017

Within PLENOSE Project a meeting was organized at the end of 2017 between researchers from UoL and IIT Madras in Chennai

<http://www.plenose.unirc.it/activity/meeting-between-uol-and-iit-madras-in-chennai/>



18) Seminar by Professor Felice Arena at Rice University (Houston, Texas, USA)

Secondment of Professor Felice Arena from Mediterranean University to RICE University, Texas, USA – November 2-7, 2017

<http://www.plenose.unirc.it/activity/seminar-by-professor-felice-arena-at-rice-university-houston-texas-usa/>

The poster features the Rice University logo at the top left and a circular emblem at the top right. Below the Rice logo, it states 'ACADEMIC YEAR 2017/2018', 'Rice University - Houston, Texas, USA', and 'November 2-7, 2017'. The title 'STOCHASTIC OCEAN WAVE MECHANICS' is prominently displayed in the center. Below the title, the speaker's name 'Felice Arena' is listed, followed by his titles: 'Professor of Ocean Engineering, Mediterranean University' and 'Director of Natural Ocean Engineering Laboratory NOEL'. To the right of the text are logos for 'MARIE CURIE ACTIONS' and the '7th Framework Programme' of the European Union. At the bottom, it mentions 'MEDITERRANEA UNIVERSITY, REGGIO CALABRIA (ITALY)' and the 'NOEL NATURAL OCEAN ENGINEERING LABORATORY' logo.

RICE

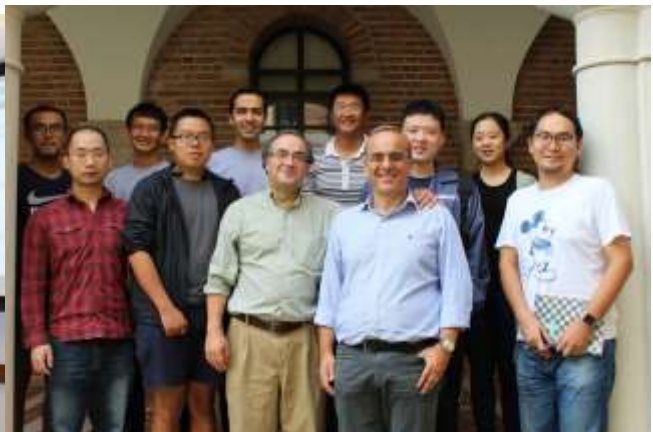
ACADEMIC YEAR 2017/2018
Rice University - Houston, Texas, USA
November 2-7, 2017

**STOCHASTIC OCEAN WAVE
MECHANICS**

Felice Arena
Professor of Ocean Engineering, Mediterranean University
Director of Natural Ocean Engineering Laboratory NOEL

MARIE CURIE ACTIONS
7th Framework Programme

MEDITERRANEA UNIVERSITY, REGGIO CALABRIA (ITALY)
NOEL
NATURAL OCEAN ENGINEERING LABORATORY



19) **Project Marie Curie PLENOSE: lecture of Dr. Nilanjan Saha in the NOEL**

Secondment of Dr. Nilanjan at NOEL – 2017.

Seminar on

“Numerical analysis of Offshore Wind Turbines, with emphasis on Extremes”

For details see:

<http://www.plenose.unirc.it/activity/project-marie-curie-plenose-lecture-of-dr-nilanjan-saha-in-the-noel/>



20) PLENOSE Meeting during the 4th International Conference in Ocean Engineering (ICOE 2018)

A PLENOSE meeting was organized during the 4th International Conference in Ocean Engineering (ICOE 2018) in Chennai.

People from UNIRC, IST and IIT Madras attended the meeting.

Theme: Emerging Opportunities and Challenges 18th – 21st February, 2018 | Chennai, India.

For details see:

<http://www.plenose.unirc.it/activity/the-noel-participates-to-the-4th-international-conference-in-ocean-engineering-icoe-2018/>

<http://www.icoe.co.in/>



21) PLENOSE Final meeting during the CSM conference in Paros – June 2018

