



5^o Training Module

Energy Management and Grid

Integration

at University College Dublin

Dublin, Ireland

12st – 20th May 2016

AGENDA

Project Coordinator:	Dr. Ursula Eicker HFT University of Applied Sciences - Stuttgart
Training Module Responsible Parties:	Dr. Donal Finn UCD, IES Ltd.
Partners (full and associated):	HFT Stuttgart (GER), EDF/EIFER (GER), EPFL (CH), IES (UK), NOTT (UK), Canton of Geneva (CH), SIEMENS (GER), POLITO (IT), UCD (IRE), WIENE (AUS), AIT (AUS), TUW (AUS), City of Vienna (AUS)

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Contract no: 606851



Thursday, 12th May 2016

**Location: Sutherland Building, UCD
(L248 Walsh Room, Level 2, Bldg 73, Map Grid D10)**

Research Skills: Methodologies and preliminary results

Leaders: HFT, UCD, all fellows

Time	Responsible	Topic
09:00 – 10:30	HFT	<ul style="list-style-type: none"> Welcome and agenda review Management Briefing Review of Financial Reporting Requirements
10:30 – 10:45		Coffee Break
10:45 – 11:15	Nils Schüler	ESR 04 (EPFL) Optimization of Urban Energy Systems bridging spatial scales (20 minutes): Question/ Answer session (25 minutes)
11:15 – 12:00	Kunpeng Wang	ESR 02 (AIT) Integration Platform For Urban Energy (20 minutes) Question/ Answer session (25 minutes)
12:00 – 12:45	Nina Solomakhina	ESR 08 (SIEMENS) Modeling and Analysis of Multimodal utility networks (20 minutes) Question/ Answer session (25 minutes)
12:45 – 14:00		LUNCH
14:00 – 14:45	Sebastien Cajot	ESR 01 (EDF/EIFER) Urban energy system planning: a decision support methodology (20 minutes): Question/ Answer session (25 minutes)
14:45 – 15:30	Giovanni Tardioli	ESR 05 (IES) Prediction of building energy use in urban case studies using data driven approaches (20 minutes): Question/ Answer session (25 minutes)
15:30 – 15:45		Coffee Break
15:45 – 16:30	Preston Rodrigues	ER 1 (HFT) Dynamic Building Simulation: A Webservice Approach (20 minutes) Question/ Answer session (20 minutes)
16:30- 17:15	Jean-Loup Robineau	ER 2 (EPFL) Geneva Case Study Database and Urban Optimisation (20 minutes) Question/ Answer session (20 minutes)
17:15 – 17:30	HFT	Management Briefing Summary, Close of Day 1
20.30		20.30 Meet at the Palace Bar, 21 Fleet Street, Dublin 2 http://www.thepalacebardublin.com/ 21.00 Welcome Dinner Gallaghers BOXTY HOUSE, 20 Temple Bar http://boxtyhouse.ie/

Friday, 13th May 2016

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Research skills: Methodologies and preliminary results

Leaders: HFT, UCD, all fellows

Time	Responsible	Topic
09:00 – 09:15	POLITO	Training Module 6: POLITO Suggested Dates: XXXX
09:15- 09:45	Giorgio Aguiaro	ER 3 (AIT) Vienna Case Study: Status Report (20 minutes) Question/ Answer session (20 minutes)
09:45 10:30	Georgios Kazas	ESR 09 (POLITO) A methodology for hourly energy demand profiles generation at district scale (20 minutes): Question/ Answer session (25 minutes)
10:30– 11:15	Solène Goy	ESR 10 (UCD) Estimating Demand Response Potential in Building Clusters (20 minutes) Question/ Answer session (25 minutes)
11:15 – 11:30		Coffee Break
11:30 – 12:15	Pilar Monsalvete Álvarez-Uribarri	ESR 07 (HFT) Physical modelling of energy systems at urban scale (20 minutes): Question/ Answer session (25 minutes)
12:15 - 13:00	Ana Sancho Tomás	ESR 11 (UNOTT) On the electrical autonomy of urban districts – modelling the use of appliances in homes (20 minutes): Question/ Answer session (25 minutes)
13:00 - 14:15		Lunch
14:15 - 15:00	Parag Wate	ESR 03 (HFT) 3D GIS for Urban Energy Demand Modelling (20 minutes): Question/ Answer session (25 minutes)
15:00- 15:45	Mario Potente Prieto	ESR 06 (TUW) District Heating Simulation and Heat Pumps (20 minutes) Question/ Answer session (25 minutes)
15:45- 16:05		Coffee Break
16:05- 16:30		Summary, Close of Day 2

Saturday, 14th May 2016

Location: Dublin Bay Coastal Walk

- Coastal walk in the greater Dublin area
(4 hours approx. – weather and interest dependent)

Starting Point: City Centre

Leader: Donal Finn

Transport: Public Transport

Monday, 16th May 2016

Location: UCD, Science Building (Bldg 67, C6) (iiESI Workshop)

Research Skills: Renewables & Storage / Graphics Session

Leader: iiESI Workshop / UCD

Time	Responsible	Topic
09:30 – 09:45	Pr. Mark O'Malley (UCD)	Introduction
09:45 – 13:00	Jody Dillon (UCD) John MCCann (SEAI)	Integration of Renewables: IEA Task 25
13:00 – 14:00		<i>Lunch (on your own)</i>
14:00 – 14:45	Ciara O'Dwyer (UCD)	Energy Storage in Electricity Grids
15:15- 17.30	Dr. Paul Cuffe (UCD)	Graphics Workshop "Great scatterplots I have known: a crash course in visualizing technical data so that it's attractive, insightful and honest." "Visualization workshop: mastering the principles of simplicity, consistency and honesty to create insightful data graphics."

Tuesday, 17th May 2016

Location: UCD, Science Building (Bldg 67, C6)

Research Skills: Cinergy Group Meeting

Leaders: ESRs and ERs

Time	Responsible	Topic
08:30 – 10:15	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work
10:15 – 10:30		<i>Coffee break</i>
10:30 – 12:00	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work
12:00 – 13:00		<i>Lunch (on your own)</i>
13:00 – 14:45	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work
15:15- 17:00	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work

Wednesday, 18th May 2016

Location: UCD, Science Building (Bldg 67, C6)

Research Skills: Cinergy Group Meeting, IES Workshop

Leaders: IES / ESRs and ERs

Time	Responsible	Topic
08:30 – 10:15	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work
10:15 – 10:30		<i>Coffee break</i>
10:30 – 13:00	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- on-going collaboration between ESRs- status of the work with regards to the planning set in Sion (24th February 2016)- discuss future group work
13:00 – 14:00		Outreach Activity: Posters Presentations at the iiESI Workshop
14:00 – 15:15	All ESRs/ERs	ESR and ER meetings to discuss Cinergy on-going work: <ul style="list-style-type: none">- EPIGEUM discussion (1h)
15:15 - 15:30		<i>Coffee break</i>
15.30-17:30	Dr. Mike Oates (IES)	IES Workshop Urban Energy Modelling Tools

Thursday, 19th May 2016

Location: UCD, Science Building (Bldg 67, C6) (iiESI Workshop)

Leader: iiESI Workshop / UCD

Time	Responsible	Topic
09:00-09:15	Dr. Eoin Syron (UCD)	Introduction
09:15-10:15	Pr. William D'haeseleer (KU Leuven)	Disruptive technology the GOOD, the BAD & the UGLY
10:15-11:15	Dr. Conor Hanley (ResMed) Muiris Flynn (Glen Dimplex) Pr. Jean-Paul Lange (University of Twente, Shell Global Solutions)	Panel Session
11:30-12:30	Dr. Ronan Doherty (Electroroute)	History of disruptive technologies in the Energy Sector over the past 100 years
12:30-13:30		Outreach Activity: Posters Presentations at the iiESI Workshop
13:30-15:00	All	Workshop on Disruptive innovation in Energy Systems Integration
15:00-15:15		<i>Coffee break</i>
15:15 – 16:15	All	Commercialisation of disruption, Why bother and what are the risks?
16:15–16:45	All	Presentation of results of workshop

Friday, 20th May 2016

Location: Eirgrid, Ballsbridge, Dublin 4

Location: UCD, Science Building (Bldg 67, C6)

Research Skills: Grid Integartion Tools

Leaders: UCD / Eirgrid

Time	Responsible	Topic
09:00 – 11:00	Richard Crowley	Eirgrid Visit – Introduction and tour of Grid Management Control Room 160 Shelbourne Road, Ballsbridge Dublin 4, D04 FW28 http://www.eirgridgroup.com/
11:00-11:30		<i>Travel back to UCD (public transport)</i>
11:30-12:30		<i>Lunch (on your own)</i>
12:30-14:30	Dr. Alireza Soroudi and Dr. Paul Cuffe (UCD)	Workshop Optimization for Demand Response using GAMs
14:30-15:00		<i>Coffee break</i>
15:00 – 17:00	Dr. Alireza Soroudi and Dr. Paul Cuffe (UCD)	Workshop Optimization for Demand Response using GAMs
17:00-17:15		Close of Meeting/Departures

Training Locations: Dublin, Ireland

Room planning	Date	Time	Location (Building/Room)
Sutherland	Thursday 12. May 2016	09h00 - 17h30	UCD (Sutherland Building, Room L248, Bldg 73, Grid D10)
Sutherland	Friday 13. May 2016	09h00 - 16h30	UCD (Sutherland Building, Room L248, Bldg 73, Grid D10)
Science	Monday 16. May 2016	09h30 – 17h:30	UCD (Science Building, Bldg 67, C6)
Science	Tuesday 17. May 2016	08h30 - 17h00	UCD (Science Building, Bldg 67, C6)
Science	Wednesday 18. May 2016	08h30 - 17h30	UCD (Science Building, Bldg 67, C6)
Science	Thursday 19. May 2016	09h00 - 16h45	UCD (Science Building, Bldg 67, C6)
Eirgrid	Friday 20. May 2016	09h00 - 11h00	Eirgrid
Science	Friday 20. May 2016	12h30 - 17h15	UCD (Science Building, Bldg 67, C6)

Useful links:

City Map of Dublin

[Dublin Google Map](#)

Map of UCD Campus:

[Map of UCD Campus](#)

Public Transportation:

[Travelling to UCD](#)

[Transport in Dublin](#)

[Dublin Bus](#)

Hotels - see www.booking.com

Hotels (Walking distance):

Radison Blue (10 minutes)

Tara Towers (20 minutes)

Talbot Hotel Stillorgan (20 minutes)

Clayton Ballsbridge (30 minutes)

Hotels (bus):

Mespil Hotel (30 minutes)

Mont Clare (30 minutes)

TravelLodge Stephens Green (30 minutes)

Drury Court Hotel (35 minutes)

Jurys Inn Christchurch (40 mins)

Temple Bar Hotel (40 mins)

B&B (bus):

Donnybrook Hall (20 minutes)

Leeson Bridge Guesthouse (20 minutes)

Morehampton Townhouse (20 mins)

Wifi access:

Eduroam connection or UCD wifi (no password required)

Contacts:

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