



## PhD School in GREEN NETWORKING

Politecnico Torino, 1-5 July 2013  
Electronics and Telecommunications Department (5<sup>th</sup> floor)

### Schedule

#### *Monday 1<sup>st</sup> July*

14.00-14.10 **Course presentation** – Marco Ajmone Marsan (PoliTO)

14.10-16.00 **An energy primer** – Raffaella Gerboni (PoliTO)

- Generation (fossil/renewable)
- Transport and distribution
- Metrics (LCA)

16.00-16.30 **Coffee break**

16.30-18.30 **An energy primer** – Raffaella Gerboni (PoliTO)

- Generation (fossil/renewable)
- Transport and distribution
- Metrics (LCA)

#### *Tuesday 2<sup>nd</sup> July*

08.30-10.30 **An energy primer** – Raffaella Gerboni (PoliTO)

- Generation (fossil/renewable)
- Transport and distribution
- Metrics (LCA)

10.30-11.00 **Coffee break**

11.00-13.00 **An energy primer** – Raffaella Gerboni (PoliTO)

- Generation (fossil/renewable)
- Transport and distribution
- Metrics (LCA)

13.00-14.00 **Lunch break**

14.00-16.00 **The big picture** – Bart Lannoo (iMinds)

- The ICT worldwide footprint
- Estimation of overall possible energy savings
- Energy efficiency metrics

16.00-16.30 **Coffee break**

16.30-18.30 **The operator needs**

- Metro/core networks – Marco Schiano (Telecom Italia) – with support from TID



## **Wednesday 3<sup>rd</sup> July**

- 08.30-10.30 **The operator needs**
- Wired/wireless access – Dario Sabella / Flavio Cucchietti (Telecom Italia)
- 10.30-11.00 **Coffee break**
- 11.00-13.00 **Some research proposals**
- Wired access – Bart Lannoo (Iminds) – with support from TID)
- 13.00-14.00 **Lunch break**
- 14.00-16.00 **The manufacturers approach** – Alberto Conte (Alcatel Lucent)
- Metro/core networks
  - Wired access
  - Wireless access
- 16.00-16.30 **Coffee break**
- 16.30-18.30 **The manufacturers approach** – Alberto Conte (Alcatel Lucent)
- Metro/core networks
  - Wired access
  - Wireless access

## **Thursday 4<sup>th</sup> July**

- 08.30-10.30 **Some research proposals**
- Wireless access – Delia Ciullo (EURECOM)
- 10.30-11.00 **Coffee break**
- 11.00-13.00 **Some research proposals**
- Metro/core networks – Filip Idzikowski (TUB)
- 13.00-14.00 **Lunch break**
- 14.00-16.00 **Some research proposals**
- Applications – Carmen Guerrero (UC3M)
- 16.00-16.30 **Coffee break**
- 16.30-18.30 **Some research proposals**
- Data center networks – George Koutitas (IHU)

## **Friday 5<sup>th</sup> July**

- 08.30-10.30 **Participants' experiences**
- 10.30-11.00 **Coffee break**
- 11.00-13.00 **Some research proposals**
- Networking based on renewable energy – Michela Meo (PoliTO)
- 13.00-14.00 **Lunch break**
- 14.00-16.00 **Some research proposals**
- Cognitive intelligence enabled energy saving for cellular networks – Honggang Zhang (UEB)
- 16.00-16.30 **Coffee break**
- 16.30-18.30 **TEST**

*The coffee breaks will be served in the meeting room or in the terrace.  
Every day each participant will get a voucher for the lunch in the canteen.*