



**Kurzvorträge über die**

## **25. CIRED – Internationale Konferenz für Stromverteilung**

**am 3.-6. Juni 2019  
in Madrid, Spanien**

**Working Group: New Role of Smart Meters  
Vortragender: Helfried Brunner, Andreas Abart**

# New Role of Smart Meters in Grid Planning, Control and Operation

- identify the relevant **processes to be improved by smart metres** as well as experts from vendors of smart meters to **match the processes according to meter functionalities**
  - Analyse ongoing **smart meter roll-out projects** all over Europe to identify common/minimum/maximum smart meter functionalities, the smart meter infrastructure including the telecom network as well as lessons from the projects.
  - Analyse **distribution grid operators' processes** to be potentially improved in the categories, distribution grid planning, distribution grid control, distribution grid operation, etc.
  - Define and **describe the main use-cases** (process-optimizations) achieved by smart meters and metering infrastructure in distribution grid companies
  - Analyse the **trade-off between process optimizations** in the main use-cases and the **smart meters functionalities and metering infrastructure** resp. the costs.
  - Prepare -if possible- some indications for a **basic technical specification of smart meters** to realize the main process optimisations



## Members



- 8 Countries: Austria, Czech Republic, France, Germany, Spain, Japan, Sweden, (Israel)
- 12 experts (some still need to be confirmed)
  - 3 members from industry
  - 2 members from energy supplier
  - 3 members from DSO
  - 4 members from research
  - 1 members from ministry

Status	Name	First Name	Company	Country
Convener	Brunner	Helfried	Austrian Institut of Technology	Austria
Technical Lead	Abart	Andreas	Netz Oberösterreich	Austria
Member	Brun	Sébastien	Enedis	France
Member	Drapela	Jiri	Brno University of Technology	Czech Republic
Member	Finkel	Michael	Hochschule Augsburg	Germany
Member	Harman	Dominik	E.ON	Czech Republic
Member	Hubschneider	Sebastian	KIT Karlsruher Institute of Technology	Germany
Member	Martínez	Cristina	ZIV	Spain
Member	Masayuki	Oyama	The Kansai Electric Power Co., Inc.	Japan
Member	Mollica	Denis	EDP Brasil	Brazil
Member	Sahoo	Subrat Kumar	ABB	Sweden
Member	Yehezkel	Gavriel	Ministry of Defense	Israel
Member	Stefanidou	Ifgenia	Landis Gyr	Austria

- Discussion of:
  - Experiences in individual countries and companies
  - Document structure
  - Use Cases
- Next steps:
  - Agreement on structure and content (end of February)
  - Share the work and define responsibilities
  - First draft available in autumn
  - Report ready ahead of CIRED21





# Besten Dank für die Aufmerksamkeit!

Kontakt: [www.cired.at](http://www.cired.at) / [cired@ove.at](mailto:cired@ove.at)  
[helfried.brunner@ait.ac.at](mailto:helfried.brunner@ait.ac.at)