

## BEST PAPERS

**ICRERA2020, September 27-30, 2020, Glasgow-UK**

|            | ID         | LIST OF PAPERS  | COUNTRY        |
|------------|------------|---|----------------|
| <b>1st</b> | <b>8</b>   | <b>Investigation of Thermal Behavior of Large Lithium-Ion Prismatic Cell in Natural Air Convection</b><br>Rekabra Youssef; Jiacheng He; Mohsen Akbarzadeh; Joris Jaguemont; Lysander De Sutter; Maitane Berecibar; Joeri Van Mierlo                 | <b>BELGIUM</b> |
| <b>2nd</b> | <b>90</b>  | <b>Comparative Analysis of Three Low Voltage Fault Ride Through Techniques for Wind Energy Conversion Systems</b><br>James Tait; Khaled Ahmed; Grain Adam   | <b>UK</b>      |
| <b>2nd</b> | <b>108</b> | <b>Critical Conduction Mode Three-Phase Vienna Rectifier</b><br>Jizhe Wang; Shanghua Feng; Fujio Kurokawa   | <b>JAPAN</b>   |
| <b>3rd</b> | <b>37</b>  | <b>Modified Variable DC Approach Applicable to Fuel Cells and DOL Batteries in Shipboard Power Systems</b><br>Arber Haxhiu ; Jorma Kyyrä; Ricky Chan; Sami Kanerva  | <b>FINLAND</b> |
| <b>3rd</b> | <b>48</b>  | <b>Control Hardware-in-the-Loop Simulation on Fast Frequency Response by Energy Storage System Equipped with Advanced Frequency Detection Algorithm</b><br>Takashi Shigemasa; Takahiro Terazono; Hiroshi Hashiguchi; Yutaka Ota; Tatsuhito Nakajima | <b>JAPAN</b>   |
| <b>3rd</b> | <b>69</b>  | <b>Monitoring, Modeling and Simulation of Bifacial PV Modules Over Normal and High Albedos</b><br>Salim Bouchakour; Daniel Valencia Caballero; Alvaro Luna; Eduardo Roman Medina; El Amin Kouadri Boudjelthia; Pedro Rodriguez                      | <b>SPAIN</b>   |



# Best Paper Award

This is to certify that

**Rekabra Youssef; Jiacheng He; Mohsen Akbarzadeh; Joris Jaguemont; Lysander De Sutter  
Maitane Berecibar; Joeri Van Mierlo**

have received the award for the best paper entitled

**Investigation of Thermal Behavior of Large Lithium-Ion Prismatic Cell in Natural Air Convection**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)



# *Second Best Paper Award*

This is to certify that

**James Tait; Khaled Ahmed; Grain Adam**

have received the award for the best paper entitled

**Comparative Analysis of Three Low Voltage Fault Ride Through Techniques  
for Wind Energy Conversion Systems**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)





# *Second Best Paper Award*

This is to certify that

**Jizhe Wang; Shanghua Feng; Fujio Kurokawa**

have received the award for the best paper entitled

**Critical Conduction Mode Three-Phase Vienna Rectifier**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)



# *Third Best Paper Award*

This is to certify that

**Arber Haxhiu ; Jorma Kyrrä; Ricky Chan; Sami Kanerva**

have received the award for the best paper entitled

**Modified Variable DC Approach Applicable to Fuel Cells and DOL Batteries  
in Shipboard Power Systems**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)





# *Third Best Paper Award*

This is to certify that

**Takashi Shigemasa; Takahiro Terazono; Hiroshi Hashiguchi; Yutaka Ota; Tatsuhito Nakajima**

have received the award for the best paper entitled

**Control Hardware-in-the-Loop Simulation on Fast Frequency Response  
by Energy Storage System Equipped with Advanced Frequency Detection Algorithm**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)



# *Third Best Paper Award*

This is to certify that

**Salim Bouchakour; Daniel Valencia Caballero; Alvaro Luna; Eduardo Roman Medina  
El Amin Kouadri Boudjelthia; Pedro Rodriguez**

have received the award for the best paper entitled

**Monitoring, Modeling and Simulation of Bifacial PV Modules Over Normal and High Albedos**

Presented at

the conference is held in Glasgow, United Kingdom, September 27-30, 2020.

**Dr. Khaled AHMED**  
General Chair, ICRERA 2020

**Professor İlhami ÇOLAK**  
General Co-Chair, ICRERA 2020

**Professor Fujio KUROKAWA**  
General Co-Chair, ICRERA 2020

website: [www.icrera.org](http://www.icrera.org)