

### **Determination methods for controller parameters of back-to-back converters in electric power grids**

Beg, Nauman; **Rahmoun, Ahmad; Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 157-164 : ill <https://doi.org/10.1109/PQ.2016.7724106>

### **Mathematical modeling and evaluation of a microgrid demonstrator in island mode**

**Armstorfer, Andreas; Beg, Nauman; Rahmoun, Ahmad; Rosin, Argo; Biechl, Helmuth** NEIS 2017 Conference on Sustainable Energy Supply and Energy Storage Systems : Hamburg, 21 – 22 September 2017 2018 / p. 39-44 : ill <https://neis-conference.com/wordpress/wp-content/uploads/2018/03/Tagungsband-NEIS-2017.pdf> <https://ieeexplore.ieee.org/document/8421809>

### **Mathematical modeling and stability analysis of a microgrid in island operation**

Beg, Nauman; **Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** 2018 International Conference on Smart Energy Systems and Technologies (SEST), 10-12 September, 2018, Seville, Spain : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/SEST.2018.8495694>

### **Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid**

**Rahmoun, Ahmad; Beg, Nauman; Rosin, Argo; Biechl, Helmuth** 2018 IEEE International Energy Conference (ENERGYCON 2018) : Limassol, Cyprus 3-7 June 2018 2018 / p. 342-347 : ill <http://dx.doi.org/10.1109/ENERGYCON.2018.8398792>

### **Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid 4 Author(s)**

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### **Stability issues with inverter loads and their control in low inertia islanded microgrids**

**Beg, Nauman; Biechl, Helmuth; Rosin, Argo** 2020 2nd Global Power, Energy and Communication Conference (GPECOM) 2020 IEEE 2nd Global Power, Energy and Communication Conference (GPECOM) :Online Conference, 20-23 October, 2020 : proceedings 2020 / p. 196-201 : ill <https://doi.org/10.1109/GPECOM49333.2020.9247913>

### **Stability issues with network impedances and its mitigation in islanded microgrids**

**Beg, Nauman; Biechl, Helmuth; Rosin, Argo** NEIS 2019 : Conference on Sustainable Energy Supply and Energy Storage Systems Hamburg, 19-20 September, 2019 2019 / p. 189-194 <https://10times.com/neis-germany> <https://www.vde-verlag.de/buecher/565152/neis-2019.html>