SGSMA2021 Opening Remarks

TPC Chair:
Lars Nordström
KTH
Sweden

The IEEE International Conference on Smart Grid Synchronized Measurements and Analytics – SGSMA2021

May 25-27, 2021

Composition of the SGSMA Technical Program Committee

29 members
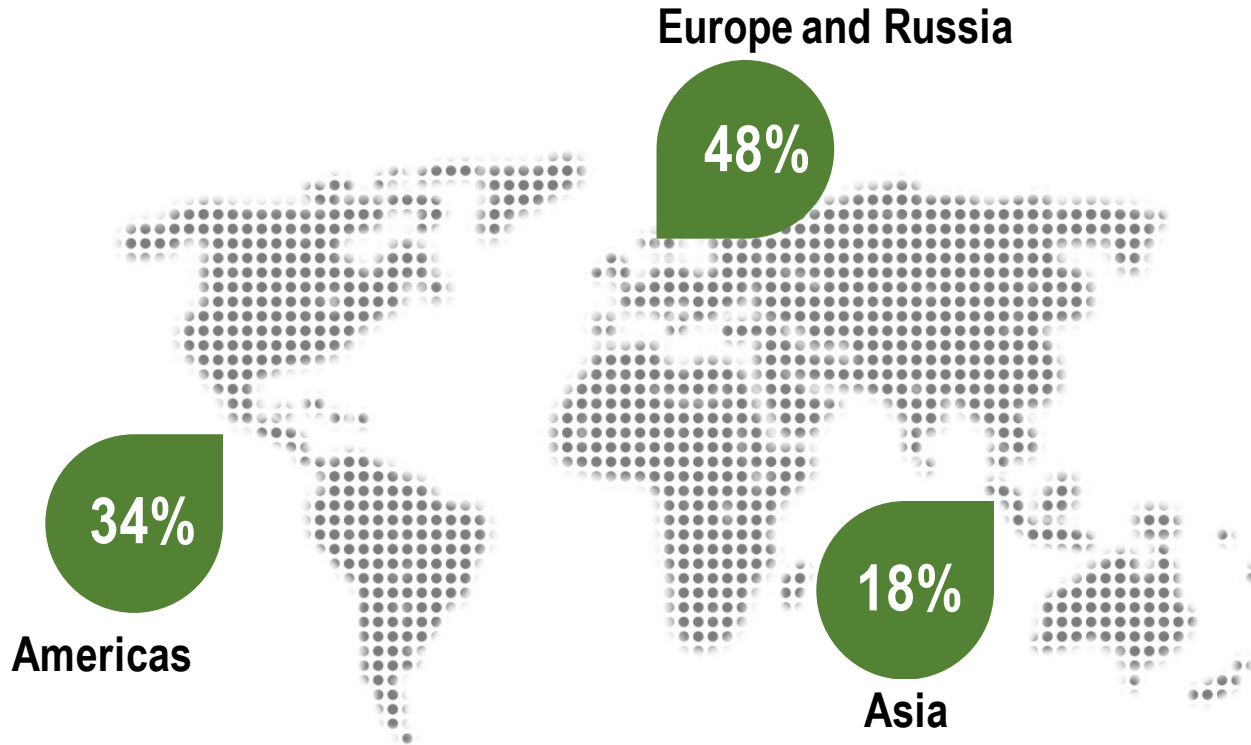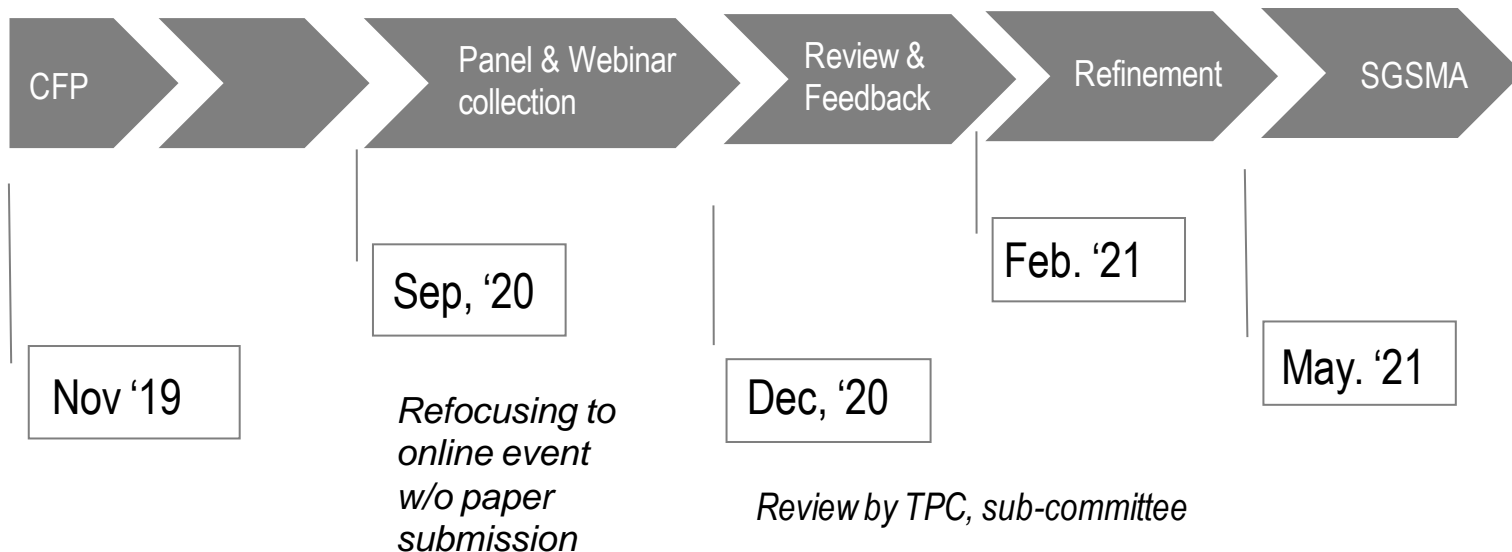
Dagle, Jeff	USA	Petri, Dario	Italy
Farantatos, Evangelos	USA	Ponci, Ferdinanda	Germany
Kamwa, Innocent	Canada	Popov, Marjan	The Netherlands
Kezunovic, Mladen	USA	Razzaghi, Reza	Australia
Korba, Petr	Switzerland	Rehtanz, Christian	Germany
Kumar Pradhan, Ashok	India	Rosendo Macias, Jose Antonio	Spain
Liu, Hao	China	Taranto, Glauco Nery	Brazil
Lu, Chao	China	Terzija, Vladimir	Russia
Macii, David	Italy	Venkatasubramanian, Mani	USA
Martin, Ken	USA	Wu, Wenchuan	China
Monti, Antonello	Germany	Zhenyu, Huang (Henry)	USA
Muscas, Carlo	Italy	Sharma, Ankush	India
Mohsenian-Rad, Hamed *(Co-Chair)*	USA	Uhlen, Kjetil	Norway
Nordström, Lars *(Chair)*	Sweden	Shahsavari, Alireza	USA
Palone, Mario	Switzerland		

Composition of the SGSMA Technical Program Committee

Europe and Russia

48%

34%

Americas

18%

Asia

The papers collection and review timeline

CFP

Panel & Webinar collection

Review & Feedback

Refinement

SGSMA

Nov '19

Sep, '20

Dec, '20

Feb. '21

May. '21

Refocusing to online event w/o paper submission

Review by TPC, sub-committee

The program of the SGSMA2021 – Review process
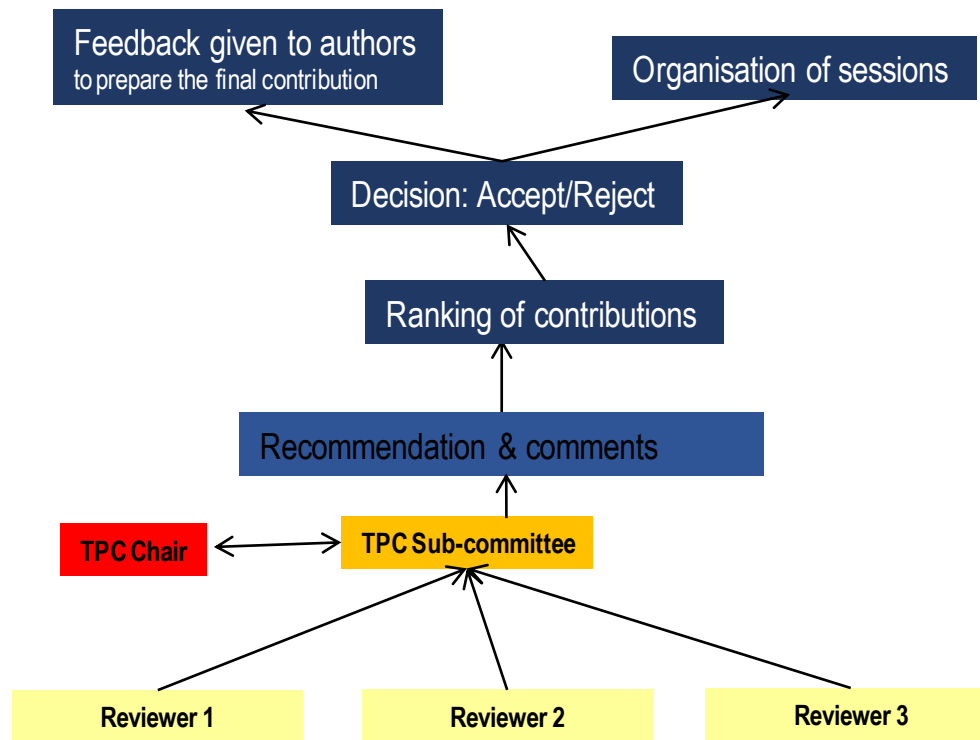
SGSMA Contributors
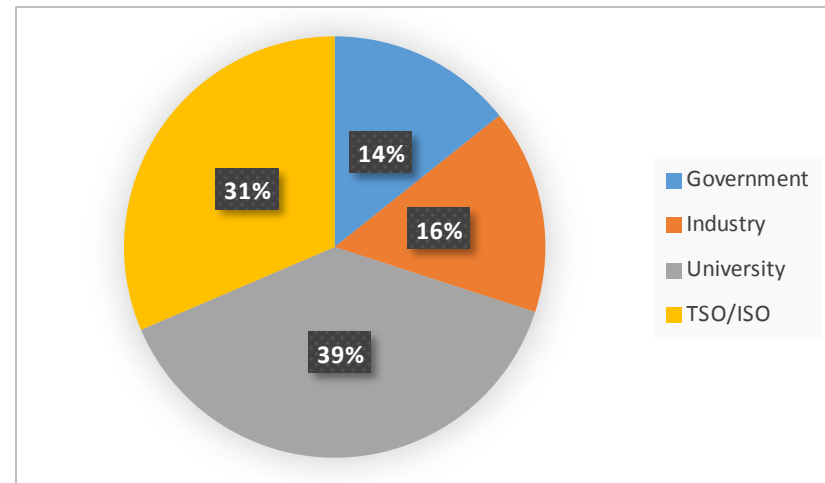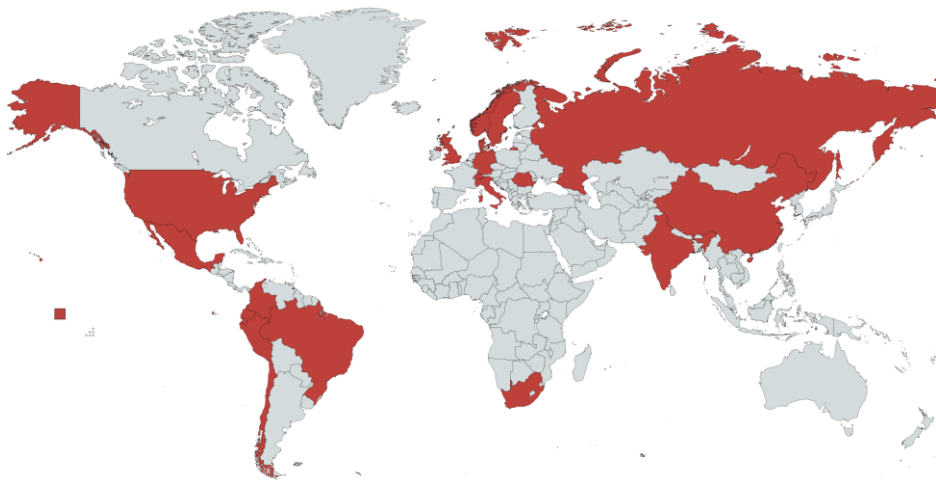
SGSMA2022: Call for Papers

- Dates: May 24-26, 2022

- Paper submission deadline: Sept 20, 2021

- Tutorial/Workshop/Panels deadline: Oct 20, 2021

- Acceptance notification: Dec 15, 2021

- Final paper submission: Mar 1, 2022

The collection of contributions – Topics of interest

- Theory and fundamentals of synchronized measurements
- Synchronized sampling and synchronized phasor calculation
- The time reference and clock sources used for synchronized measurements
- Time dissemination techniques
- Synchronized measurement instrumentation
- Calibration systems for synchronized measurement instrumentation
- End-to- end calibration of synchronized measurement systems
- Procedures for certification of synchronized measurement devices and systems
- Acceptance, commissioning an field testing of synchronized measurement systems
- Applications of synchronized measurement instruments to critical infrastructure systems
- Modeling and simulation of synchronized measurements
- Data analytics for power system applications of synchronized measurements

- Implementation and design of synchronized measurement devices and systems
- Graphical user interfaces for synchronized measurement devices and systems
- Bad data detection and troubleshooting tools for synchronized measurement systems
- Metrics for performance evaluation of synchronized measurement applications
- Design and application of synchrophasor systems and components
- Situation awareness systems based on synchronized measurements
- Use of synchronized measurements in distribution and the grid "edge" applications
- Use of synchronized measurements in wide area monitoring, control and protection (WAMPAC) systems
- Educational issues and curriculum related to synchronized measurements
- Cybersecurity issues and solutions for synchronized measurement systems
- The next generation of EMS and DMS systems based on synchronized measurements