



***Cigre Study Committee B5  
Annual Meeting and  
Colloquium***

***Bulletin 0***

***Auckland  
NEW ZEALAND***

***11<sup>th</sup> – 15<sup>th</sup> September 2017***

The New Zealand National Committee (NZNC) of CIGRE welcomes Study Committee B5 (Protection and Automation) to hold its 2017 Annual Meeting and associated Colloquium in Auckland, New Zealand between 11<sup>th</sup> – 15<sup>th</sup> September 2017. This is to be held alongside two other collocated events i.e. 2017 CIGRE Asia-Oceania Regional Council (AORC) Technical Meeting and the 2017 administrative meetings of CIGRE AORC and CIGRE Administrative Council.

## The Venue

The Business Conference Centre facility at University of Auckland has been chosen as the venue for both the Study Committee annual meeting and the Colloquium. This venue has very suitable meeting and conference rooms to host business events and very close to high-quality hotel and accommodation options.

## The Programme

The program will extend over the whole week. The Study Committee B5 Annual Meeting of Regular Members, Observers, Working Group Convenors will be scheduled at the end of the week following the two-day B5 Colloquium. Time has also been allocated for Working Groups (WG), Thematic Groups (TG), Tutorial Advisory Group (TAG), Special Reporters (SR) and Strategic Advisory Group (SAG) meetings. The week will be rounded off with an optional post event tour.

This event will happen alongside the 2017 CIGRE AORC Technical Meeting for the first half of the week. Further details will be provided in the next update of this bulletin

### **Sunday 10 September 2017**

Whole day: Working Group (WG) meetings (optional)

### **Monday 11 September 2017**

Whole day: Registration of delegates  
Thematic Group (TG) meetings  
Tutorial Advisory Group (TAG) meeting  
Working Group (WG) meetings  
Exhibition

### **Tuesday 12 September 2017**

Whole day: Registration of delegates  
Strategic Advisory Group (SAG) meeting  
Submission and discussion of prepared contributions to the Colloquium (SR)  
Working Group (WG) meetings  
Exhibition

Afternoon: 15:30-17:00, Poster Session

Evening: Welcome Cocktail

### Wednesday 13 September 2017

Morning: Tutorial  
 Afternoon: Colloquium PS1 - Challenges of design and maintenance of IEC 61850 based systems  
 Whole day: Exhibition  
 Evening: Colloquium Banquet (Along with CIGRE AORC and CIGRE AC attendees)

### Thursday 14 September 2017

Morning: Colloquium PS2 - Protection issues in modern power systems with renewable generation and storage  
 Afternoon: Colloquium PS3 - The Impact on Protection and Control from Working Existing Assets Harder  
 Whole day: Exhibition  
 Evening: Colloquium Revenge Dinner (not included in the registration fee)

### Friday 15 September 2017

Whole day: Study Committee annual meeting  
 Evening: Study Committee Dinner

### Saturday 16 September 2017

Whole day: Post Conference Visits (not included in the registration fee)

Coordinated CIGRE Program for SCB5 and AORC											
	Sunday 10 Sep		Monday 11 Sep		Tuesday 12 Sep		Wednesday 13 Sep		Thursday 14 Sep	Friday 15 Sep	Saturday 16 Sep
	AORC	SCB5	AORC	SCB5	AORC	SCB5	AORC	SCB5	SCB5	SCB5	SCB5
AM		WG	OS	TG TAG WG	OS Poster	SAG SR WG Poster	NGN WIE Forum	Tutorial	PS2	SC	Tour
PM	Optional City tour						Tour	PS1	PS3		
Evening			AORC Banquet		Joint Cocktail		Joint CIGRE Banquet		SC Revenge Dinner	SC Dinner	
NGN: Next Generation Network PS: Colloquium Preferential Subject SAG: Strategic Advisory Group meeting SC: Study Committee Annual meeting SR: Submission and discussion of prepared contributions to the Colloquium TAG: Tutorial Advisory Group meeting TG: Thematic Group meetings WG: Working Group meetings WIE: Women in Engineering  Note: Registered CIGRE B5 delegates will be allowed to all technical sessions of CIGRE-AORC without extra charge and vice-versa.											

## The Colloquium

The Colloquium will be held in the Business conference centre facility at the University of Auckland on Wednesday and Thursday, 13 - 14 September 2017.

The preferential subjects for this meeting will be:

PS1 - Challenges of design and maintenance of IEC 61850 based systems

- Interoperability on PACS level for IED, Merging Units, time synchronisation and communication networks
- Requirements facilitating IED replacements and PACS extensions
- PACS configuration management including SCL handling and IED- and switch configuration

Special Reporter:

Dr. Volker Leitloff (FR) RTE, France

PS2 - Protection issues in modern power systems with renewable generation and storage

- Modeling of inverter-based sources for protection and automation
- Recommendations for the short circuit response of inverter-based sources.
- Protection challenges and solutions for applications near non-conventional sources.

Special Reporter:

Dr. Bogdan Kasztenny (CA) SEL, Canada

PS3 - The Impact on Protection and Control from Working Existing Assets Harder

- Refurbishment strategies of PAC Systems
- Series compensation
- Dynamic/flexible line rating & climatic conditions

Special Reporters:

George Horvath (NZ) AECOM, New Zealand

Peter Bishop (NZ) TRANSPOWER, New Zealand

## The Colloquium Papers

### Call for papers

Those wishing to offer a paper as a contribution to the Colloquium addressing one of the Preferential Subjects should initially e-mail a Synopsis of the proposed paper via their CIGRE SC B5 National Committee Member/Observer to reach the Secretary of Study Committee B5 ([Rannveig.Loken@statnett.no](mailto:Rannveig.Loken@statnett.no)) before **13 January 2017**.

In preparing the Synopsis, the author should observe of the following points:

- The Preferential Subject around which the paper will be centred should be clearly indicated;
- The Synopsis should clearly reflect the various points developed in the paper. A Synopsis of at least 500 words is considered adequate and it will be used after the Colloquium on the B5 website (<http://www.cigre-b5.org/>);
- The full contact details of the main author, including an e-mail address, must be clearly mentioned.

### Acknowledgement of reception

The Secretary of Study Committee B5 will acknowledge receipt of the synopses before **3rd February 2017**. If no acknowledgement is received, the sender should forward the message once again, to make sure the proposal(s) will be duly considered in the selection process.

### Submission of full papers

The absolute deadline for the receipt of the full papers is **10 March 2017**. Papers are to be forwarded in electronic format, by e-mail to the Secretary of Study Committee B5 ([Rannveig.Loken@statnett.no](mailto:Rannveig.Loken@statnett.no)).

### Availability of Papers

The papers will be made available at the conference website before **15 June 2017** for all people officially registered for the event.

Authors have to be aware that at least one of them has to attend the colloquium and the poster session.

### Special reports

The special reports will be available at the conference website before **15 June 2017**.

### Discussion contributions

All prepared contributions including word and PPT files should be sent to SC B5 Secretary and Special Reporter concerned by emails before **1 September 2017**. Contributors will be required to meet with SC Chairman, Special Reporter and SC Secretary in the SR meeting room on **12 September 2017** to review/discuss their contributions and to agree their time slots.

Spontaneous written contributions are also welcomed. Spontaneous oral contributions are accepted at the Chairman's discretion and depending on available time and degree of delegate reaction

## The Tutorial

The tutorial will be held on Wednesday morning, 13 September 2017.

## The Poster Session

The authors are encouraged and given the opportunity to display their work in the poster session in the afternoon of Tuesday, 12 September 2017.

The poster session is an interesting opportunity both for authors and visitors. Authors can present some details of their papers, while visitors can discuss directly with the authors.

Authors can send e-file to Colloquium Secretariat before **13 August 2017** for reviewing if needed, and send the final version before **1 September 2017** for printing by the meeting secretariat or print it by themselves. Dimensions for poster presentation are approximately 100cm x 80 cm. On-site printing service is not available.

## The Technical Exhibition

In association with the Colloquium, a Technical Exhibition related to protection and automation technology will take place from Monday, 11 September to Thursday, 14 September 2017. Companies will have the opportunity to present their automation and protection products in stands. This is a good occasion for delegates to know directly from the manufacturers, the latest and most modern equipment in the field of protection and substation automation. Please note that the CIGRE Asia-Oceania Regional Council Technical and Administrative meeting attendees from this region will be there during the first half of the week. The Asia-Oceania countries represent a significant growth region in terms of electrical power systems investments.

Free registration of delegate(s) is provided for exhibitors according to the assigned agreement. Companies and organisations which are interested to participate at the Exhibition should contact the **Colloquium Secretariat** ([N.Nair@auckland.ac.nz](mailto:N.Nair@auckland.ac.nz)). More details will be made available soon in the conference website and in the next bulletin.

## The Study Committee Annual Meeting

The Study Committee B5 annual meeting of Regular Members, Observers and Working Group Convenors will be held on Friday 15 September 2015.

## Sponsoring

Companies and organisations are encouraged to sponsor the event. Complimentary standard booth(s) and free registration of delegate(s) are provided for sponsors according to the assigned agreement. Sponsors will be especially honoured and mentioned at different occasions during the event. Please contact the **Colloquium Secretariat** (N.Nair@auckland.ac.nz) for more details.

## Evening Events

**Tuesday 12 September 2017**

**18:30-21:00**

Welcome Cocktail

Delegates and their partners are invited to attend the welcome reception.

**Wednesday 13 September 2017**

**18:30-21:00**

Delegates and their partners are invited to attend the CIGRE Banquet hosted by CIGRE New Zealand National Committee.

**Thursday 14 September 2017**

**18:00-22:30**

Delegates and their partners who register for the Revenge Dinner can attend this event.

**Friday 15 September 2015**

**18:00-22:00**

Participants of study committee meeting and their partners are invited to attend this Dinner.

## Registration

Registration will start from **April 1st 2017** through the conference website. More details including the registration fees will be made available in the next bulletin. On-site registration will also be available with additional charges.

For CIGRE SCB5 delegates, the registration fee will include the CIGRE SCB5 conference packet, the participation at the tutorial, the colloquium and the poster session, as well as welcome cocktail on Tuesday, the banquet on Wednesday along with lunches and coffee breaks from Monday through to Friday. CIGRE revenge dinner on Thursday and CIGRE tour on Saturday will need to be registered separately.

Registered CIGRE SCB5 delegates will be allowed to all technical sessions of CIGRE AORC Technical sessions with any extra charges. Those who also register for CIGRE AORC technical meeting will receive its own conference packet and banquet on Monday.

## Hotel Accommodation

The preferred hotel accommodation is being arranged and details will be relayed in the next bulletin. Agreed discount rates will be available at hotel when booking through the conference website.

## Important Dates

Final date for submission of Synopsis	<b>13 January 2017</b>
Date for notification of acceptance	<b>3 February 2017</b>
Final date for receipt of full papers	10 March 2017
Registration starts	1 April 2017
Distribution of papers and special reports	15 June 2017
Final date for submission of poster for reviewing	13 August 2017
Early bird registration deadline	21 August 2017
Receipt of prepared contributions	1 September 2017
Final date for submission of poster for printing	1 September 2017

## Important Addresses

**Secretary of Study Committee B5**  
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