

**5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**



**November 10 -11, 2016
Jeju Island, South Korea**

**Please visit the event website for further information & news
www.testing-symposium.net**

The 5th International ISO/IEC 15118 Testing Symposium is hosted by:



**5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**

August 2016



**Invitation to the 5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**

November 10-11, 2016 @ Korea Smart Grid Institute (KSGI), Jeju Island, South Korea

Fellow PEV Charging Technology Community Members,

We are very pleased to announce yet another follow-up testing event co-located with the next ISO/IEC 15118 JWG1 meeting on Jeju Island, South Korea on November 10-11, 2016.

The organizing committee of the ISO/IEC 15118 JWG therefore invites companies working in this area and their representatives to participate in this PEV charging communication protocol testing symposium. The 5th Testing Symposium will be hosted by the Korea Smart Grid Institute (KSGI). The focus of the event is on testing PEV and charging infrastructure communication protocol conformance as well as interoperability.

Members of the PEV charging communication community are encouraged to participate in this testing event to strengthen cross-vendor interoperability of their ISO/IEC 15118-2/-3, SAE J2847/2, SAE J2931/1, SAE J2931/4, and DIN 70121 compliant vehicle ECUs and supply equipment controllers.

The Testing Symposium will take place:

When:

10-11th November 2016

Where (see also TRAVEL DIRECTIONS for further details):

**SmartGrid Interoperability Test Center
21, Jungang-ro 14-gil,
Jeju-si, Jeju-do, Korea**

Hosted by:



As part of this event we provide testing opportunities for:

- **EVs & EVSEs (w/ power flow)**
- **EV & EVSE Communication Controllers (EVCC, SECC) / ECUs (w/o power flow)**

Round Robin testing will be conducted between suitable EV / EVSE / EVCC / SECC and test system couples provided by the Testing Symposium participants.

The November 10-11th testing event at KSGI is expected to provide valuable feedback for all participants in the PEV charging communications community in support of developing ECUs as well as refining test cases, test procedures and test apparatus/software.

Please join us at this event at KSGI and submit your application form in time.

**5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**

August 2016



APPLICATION INFORMATION:

Application for this event is handled through our new website:

www.testing-symposium.net

Registration is embedded in the “**General Information**” section of the website.

!! Application is due until 23rd of September 2016 !!

For registration, please use your real name and email address. A verification mail will be sent to your email account providing access to the electronic Testing Symposium application form. You will be guided through a list of questions asking for details of your application (e.g. #participants, technical details (scope and capabilities) of the equipment that you plan to bring to the event, etc.). After answering all questions, please follow the instructions provided and submit the completed online form in order to finalize your application.

After submission of the application form, you *cannot* update it anymore. However, before submitting you can save an intermediate version and complete it later by clicking on the "resume later" button. In case you need to update an already submitted application, please re-submit a new application form by accessing the link from the registration confirmation email again (In this case, please provide a comment at the end of the questionnaire that your previous application is obsolete).

If you plan to bring multiple *types* of equipment or in case your test system supports *multiple* systems under test (SUT), e.g. EVCC / SECC / EV and EVSE, please submit **one** application form (survey) for each equipment or supported type of SUT by accessing the link from the registration confirmation email again.

After 23rd of September 2016 no more changes and submissions can be made. The application form for this event also offers participants the opportunity to give feedback and tune the event to the capabilities of each participant's communication controller. For your convenience, you can print or save all your answers as PDF after submission of the application form.

The available space for testing is limited.

The organizing committee of the Testing Symposium therefore reserves the right to cancel completed applications for observers until 28th of September 2016. Please consider this when planning your travel.

All information in the survey is collected for organizational purposes only, in order to find suitable test couples and to define a round robin test schedule at the testing event.

All participants are requested to sign a Confidentiality Agreement as part of the Sign-In procedure that will be provided before the Testing Symposium.

We plan to organize an organizational conference call *after* registration (~end of September) to clarify open questions / issues between registered participants.

We will invite to the conference calls through dedicated calendar invitations based on registration Email addresses.

**5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**

August 2016



TECHNICAL INFORMATION:

Technical requirements / constraints for real EV and EVSE tests:

- For AC: Type 1 plugs and inlets according to SAE J1772 / IEC 62196-2.
- For DC: CCS Type 1 (Combo 1) plugs and inlets according to IEC 62196-3.
- Supply voltage is 380V (3-phase) at 60Hz.
- EVSE suppliers must ensure before installation on-site, that the rated max. supply power (will be provided by the host upon installation) is not exceeded at any time.

Technical requirements for communication controller-only tests:

- Control Pilot (CP) and Proximity (PP) circuit according to IEC61851-1 shall be provided.
- The expected physical connection for CP, GND and optionally PP is:
 - 4mm female banana plugs for EVCC
 - 4mm male banana plugs for SECC
- Supply voltage is 220V at 60Hz with CEE 7/16 (Type C) or CEE 7/4 (Type F) sockets/plugs.

Previous testing events have shown that it is favorable if every company participates with at least one engineer who can change/flash their communication controller on-site.

In case of any questions on technical or organizational issues, etc. please do not hesitate to contact us.

If you are bringing heavy equipment to the Testing Symposium (e.g. Electric Vehicle or DC Fast Charger), please contact Korean Co-Organizer, Host and Logistics Partner for further information.

CONTACT INFORMATION:

Organization	Co-Organization & Host
Jens Schmutzler Communication Networks Institute TU Dortmund University Phone: + 49 (0) 231 755-3781 E-Mail: jens.schmutzler@tu-dortmund.de	Teddy Hyunwoong Kim (Korean Co-Organizer) Gridwiz Inc. Phone: +82-31-698-3383 Email: teddy@gridwiz.com
Sven Gröning Communication Networks Institute TU Dortmund University Phone: + 49 (0) 231 755-5703 E-Mail: sven.groening@tu-dortmund.de	So Yun Lee (Host) SmartGrid Interoperability Test Center, 21, Jungang-ro 14-gil, Jeju-si, Jeju-do, Korea Email: soyuna77@smartgrid.or.kr
	Charles Cho (Logistics Partner) Panaroad Co., Ltd. Phone: +82-2-319-6161 Fax: +82-2-319-6169 Email: charles@panaroad.com

**5th International ISO/IEC 15118
Interoperability and Conformance Testing Symposium**
August 2016



TRAVEL DIRECTIONS:

The venue address is:

**SmartGrid Interoperability Test Center (SGITC)
21, Jungang-ro 14-gil, Jeju-si, Jeju-do, Korea**

The venue is located in the center of Jeju city, near Jeju International Airport.
Onsite parking is available at SGITC, but visitor parking passes are necessary for all event attendees.
Registered participants will be emailed a parking pass that can be printed out in advance of the Symposium.

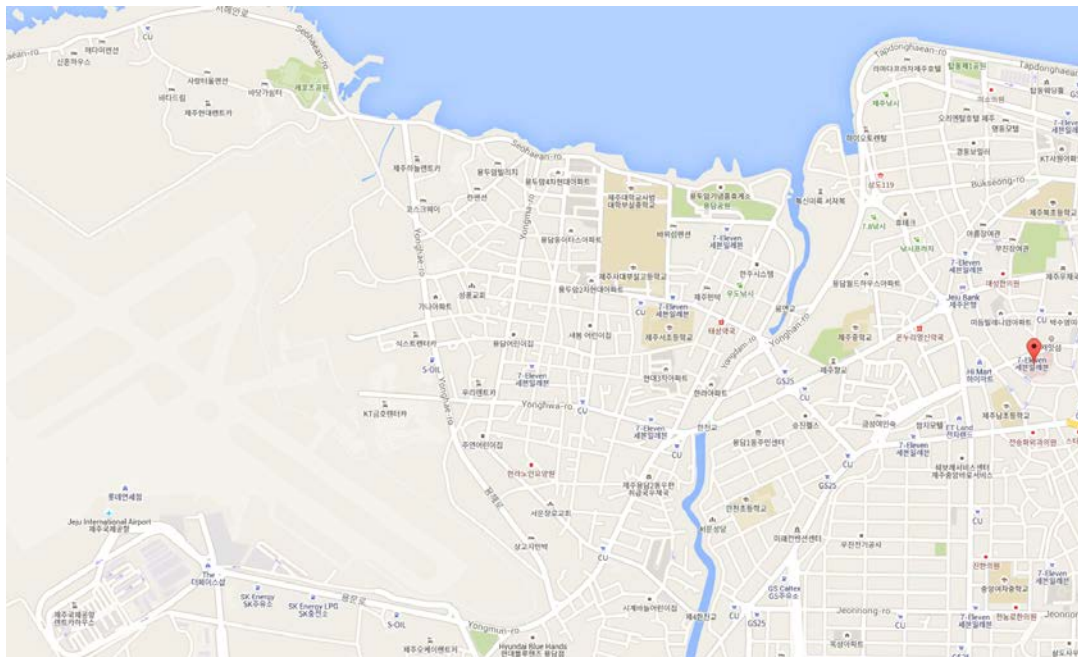
■ By Air

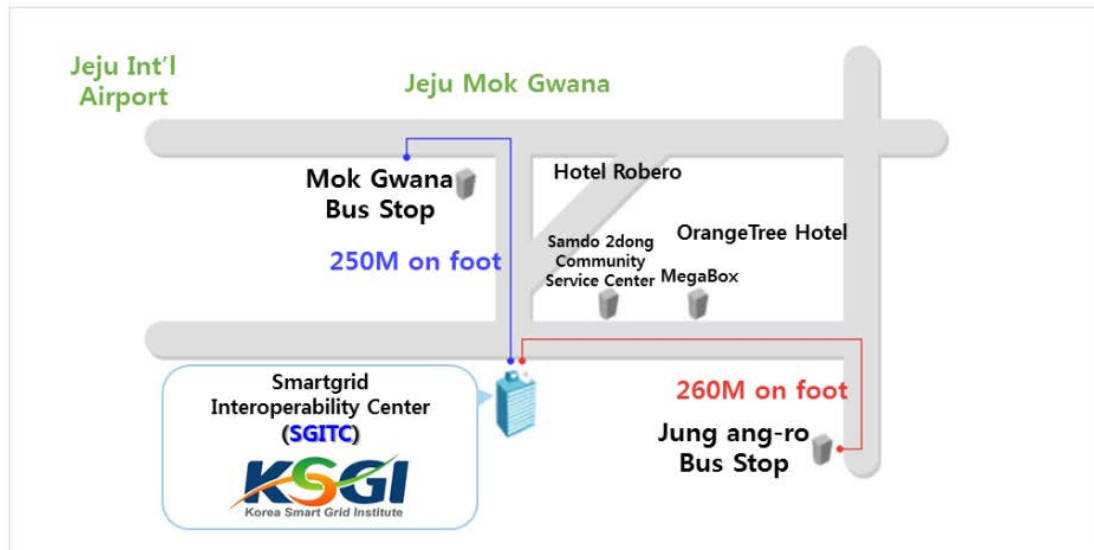
- ☐ Incheon International Airport(Seoul) – www.airport.kr
- ☐ Gimpo International Airport(Seoul) – www.airport.co.kr/gimpo
- ☐ Jeju International Airport(jeju) – www.airport.co.kr/jeju

※ Takes ~1 hour flight (Gimpo Int'l Airport → Jeju Int'l Airport)

□ Location

Google map - <https://goo.gl/maps/Nu5VmqsJHm32>





■ Transportation Information

1. By Bus (From the airport)

- Intercity Bus 70, 38 (Direction for Hamduck Beach) → Jejumok Gwana (Approx. 10min)
- Intercity Bus 500, 100 (Direction for Jeju Natl. Univ.) → Jungang ro (Approx. 13min)

2. By Taxi (From the airport)

- Takes ~10 min

■ Registration

Registration Desk is located on the first floor lobby in SGITC.

Please register after your arrival, please go directly to the site for Test Symposium.

- Registration Desk: Main Lobby (1st Floor)
- EV/EVSE Test: EVCI Test Lab (1st Floor)
- ECU Test: Open Lab (2nd Floor)

5th International ISO/IEC 15118 Interoperability and Conformance Testing Symposium

August 2016



■ Hotel List

There are a few hotels in a walking distance from SGITC that are relatively inexpensive. And Jeju has many business hotels in a wide range of conditions.

1. Walking Distance to Test Symposium venue(SGITC)

☐ Ocean Suites Hotel (** ISO/IEC 15118 JWG F2F meeting place*)

Address: 74, Tapdonghaean-ro, Jejusi-si, Jeju-do, Korea

Phone: +82 (64) 720-6000

Email: kimjk0313@hanmail.net (Manager Jun-Gi KIM)

<http://www.oceansuites.kr/>

NOTE: A special rate (115,000 KRW for Standard Twin Mountain or 125,000 KRW for Standard Twin Ocean, Breakfast for 19,000 KRW) was negotiated with Ocean Suite Hotel.

Please use the **group code: "ISO"** for this special rate or this [Hotel Reservation Form](#).

☐ Orange Tree Hotel & Cafe (nicest within walking distance)

Address: 7-12, Gwandeok-Ro, 8gil, Jeju-si, Jeju-do, Korea

Phone: +82 1899-4233 (orangetree0320@nate.com)

<http://orangetreehotels.com/>

☐ Hotel Robero(closest to SGITC)

Address: 26, Gwandeok-ro, Jeju-si, Jeju-do, Korea

Phone: +82 (64) 757-7111

<http://www.roberohotel.com/Index.aspx>

☐ Ramada Plaza JEJU

Address: 66, Tapdong-ro, Jeju-si, Jeju-si, Korea

Phone: +82 (64) 729-8100

<http://www.ramadajeju.co.kr/>

2. (less than) 15 min by Taxi to Test Symposium venue (SGITC)

☐ Maison Glad Hotel

Address: 80, Noyeon-ro, Jeju-si, Jeju-si, Korea

Phone: +82 (64) 747-5000

<https://ora.oraresort.com/kor/GRD/index.php>

☐ Shilla Stay

Address: 100, Noyeon-ro, Jeju-si, Jeju-si, Korea

Phone: +82 (64) 717-9000

<http://www.shillastay.com/jeju/index.do>

■ Food / Dining

Please refer to the site below

☐ http://www.jejuvrb.or.kr/upload/temp/miceguide/Meet_jeju_en.pdf

☐ http://www.jejuvrb.or.kr/upload/temp/miceguide/IncentiveTourGuide_En.pdf

☐ <http://www.jeutour.go.kr/contents/index.php?mid=FD&dong=JJ01>