



IIC OPC-F Joint Liaison Workshop

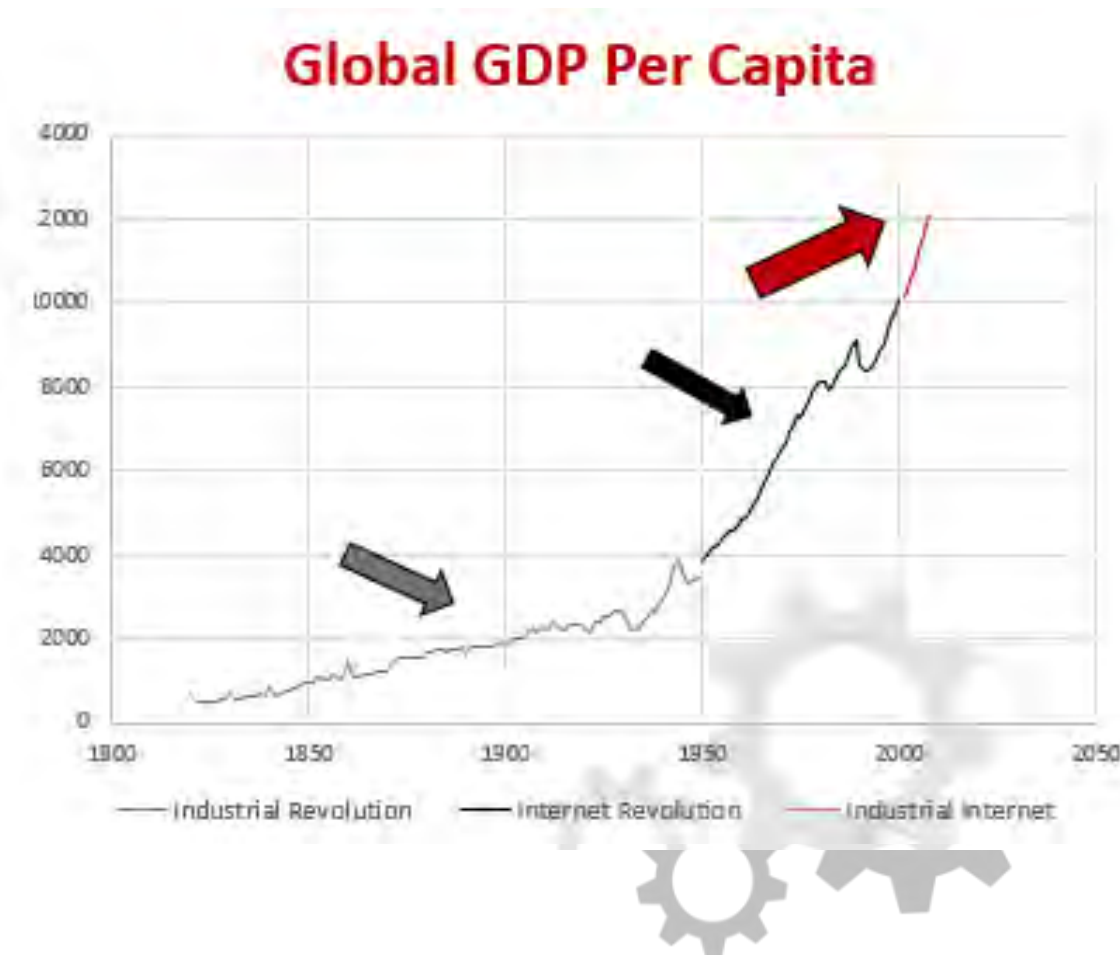
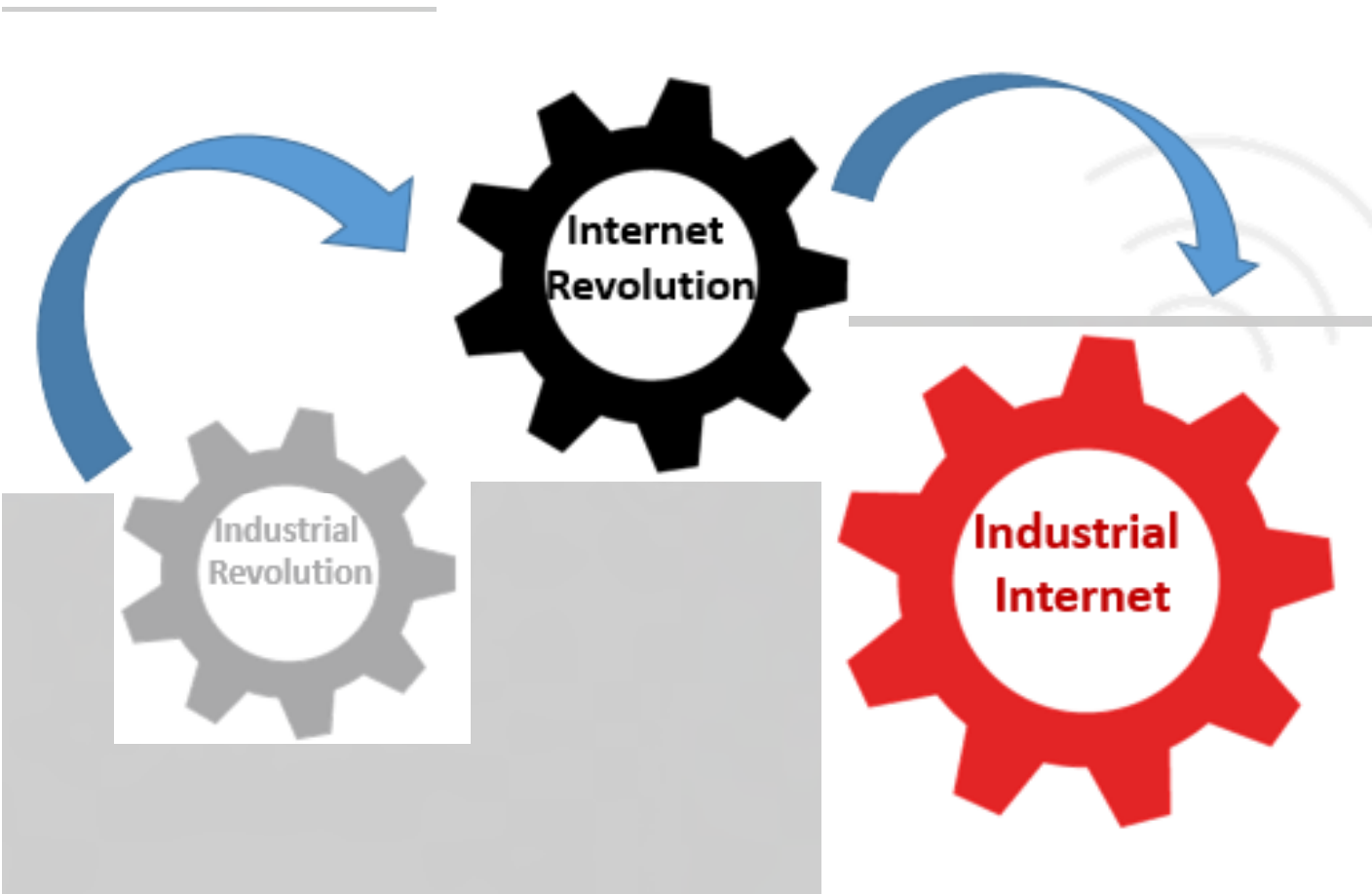
Building the IIoT Ecosystem

Wael William Diab
IIC Liaison WG Chair
IIC SC Secretary
Senior Director, Huawei

February 14, 2019

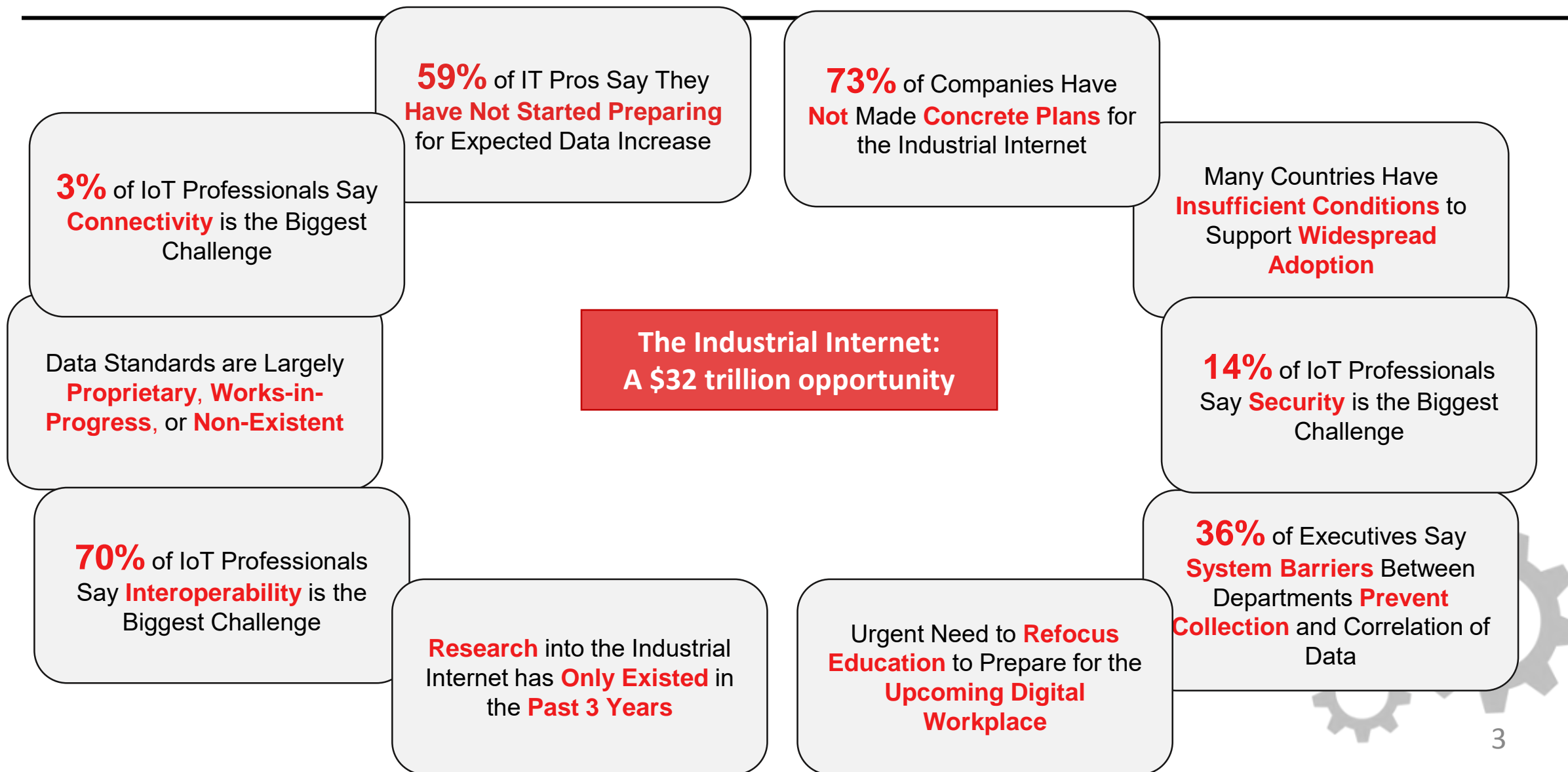


The Industrial Internet is leading the next economic revolution





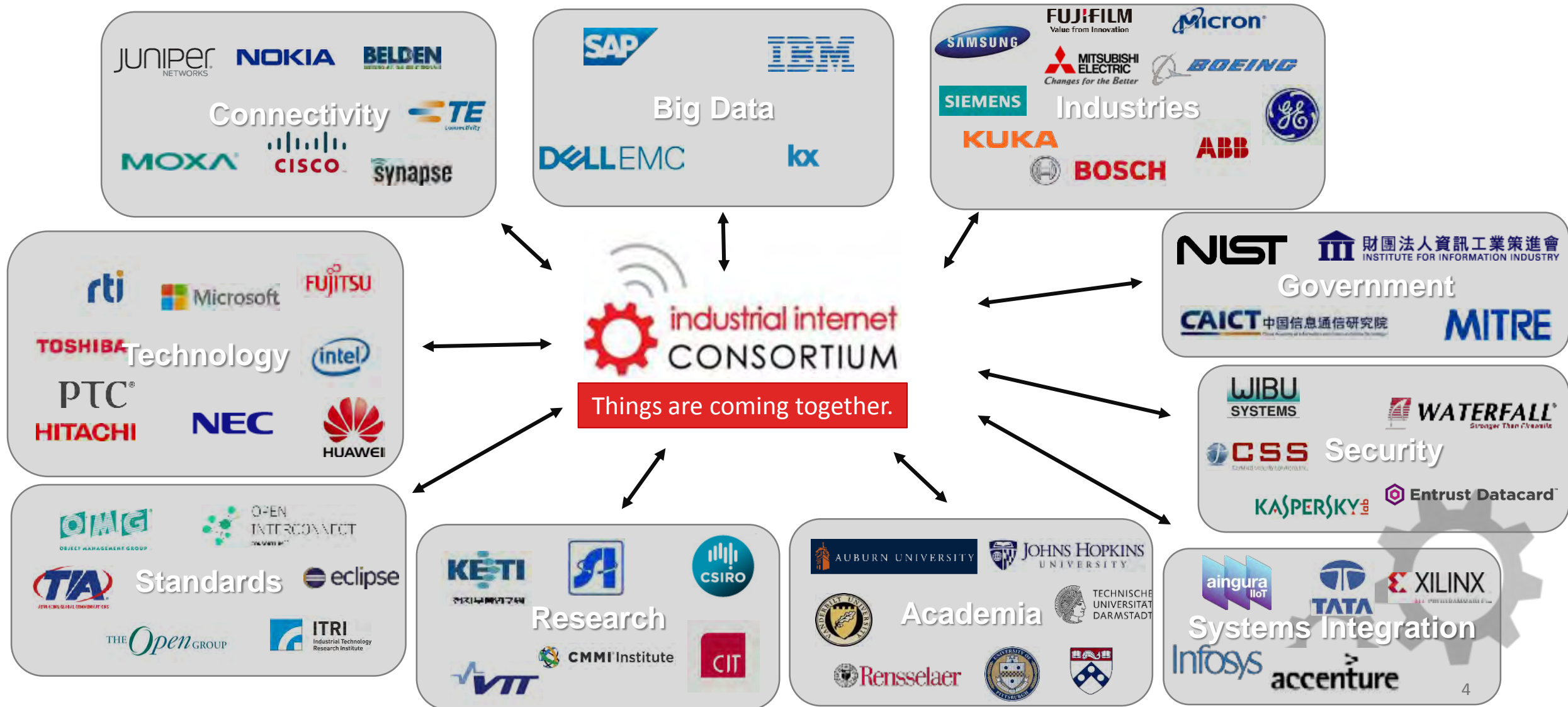
Yet there are current roadblocks to widespread adoption





The IIC Global Ecosystem of Stakeholders:

Things are coming together





Industrial Internet Consortium Vision & Mission



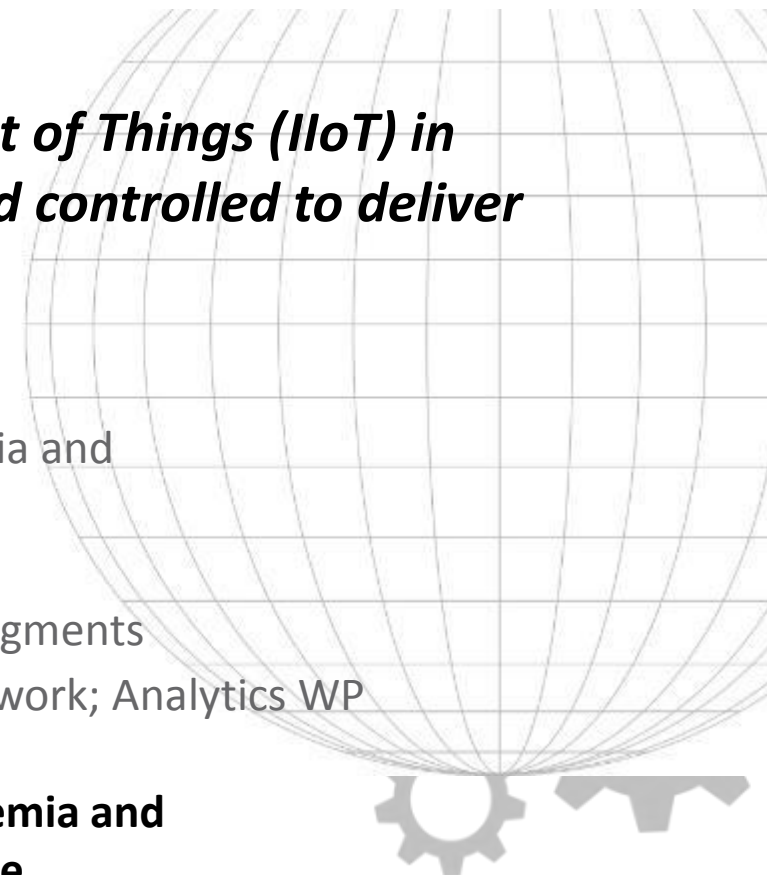
Vision: *The Industrial Internet Consortium (IIC) is the world's leading organization transforming business and society by accelerating the Industrial Internet of Things (IIoT).*

Mission: *Our mission is to deliver a trustworthy Industrial Internet of Things (IIoT) in which the world's systems and devices are securely connected and controlled to deliver transformational outcomes.*

An open, neutral “sandbox” where the IIoT Ecosystem of global industry, academia and government meet to collaborate, innovate and enable.

- More than 250 organizations from more than 30 countries and growing
- 27 active testbeds all over the world from more than a dozen different segments
- Numerous publications including Reference Architecture; Security Framework; Analytics WP

The IIC is an open, neutral “sandbox” where industry, academia and government meet to collaborate, innovate and enable.



IIC Founders, Contributing Members, & Large Industry Members

IIC Founding and Contributing Members



BOSCH



College of Engineering



OLYMPUS

TOSHIBA



ltron

accenture



HITACHI



TOYOTA



STC
الاتصالات السعودية

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THE SPIRIT OF SAFETY



NEC



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Infosys



NetApp

NOKIA



XILINX
ALL PROGRAMMABLE™

Munich RE

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IIC Founders, Contributing Members, & Large Industry Members



IIC Small Industry Members

XMPRO
SENSE > DECIDE > ACT


electric imp


OWL
CYBER DEFENSE


IoT ONE


inspiralia


aicas
realtime


ProudSmart


rti


SKYLAB


FIRST LINE
SOFTWARE

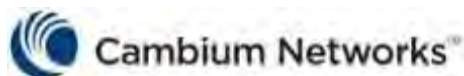


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Blue Planet-works
Safety for the Connected World


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AUGMATE


OTSL


CONTACT
Software


WORKS SYSTEMS


WORKS SYSTEMS


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TECHNOLOGIES


LISNR

IIC Small Industry Members



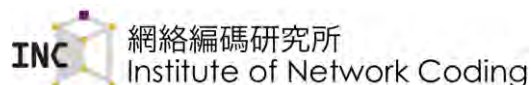
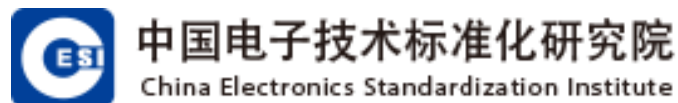


IIC Nonprofit, Academic, & Government Members



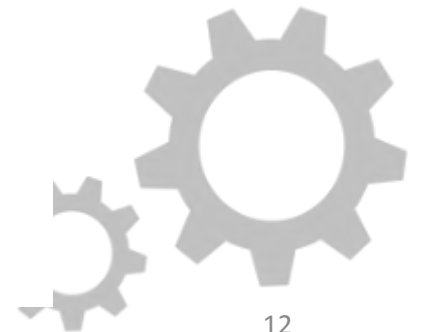
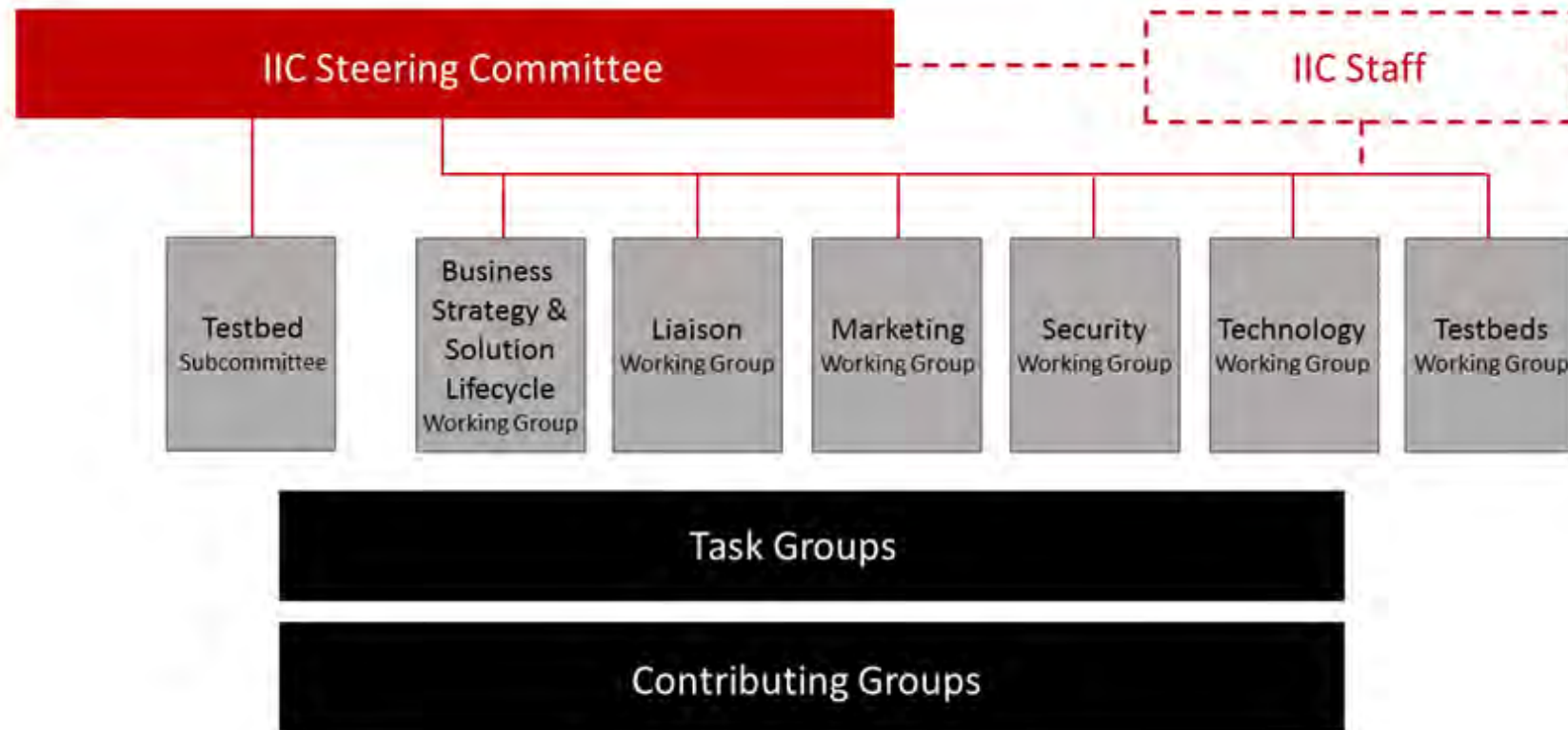


IIC Nonprofit, Academic, & Government Members





Organizational Structure of the Industrial Internet Consortium



The IIoT Ecosystem: Criticality of Liaisons

IIC has more than 42 existing [liaisons](#) and currently has 30 more in flight!

That's impressive for an organization that has its 4th birthday on March 27th, 2018!

Below is a sample of the ecosystem that IIC is creating in the industry





Building Coalitions to Address the IoT Ecosystem

*IIC Vision: The Industrial Internet Consortium (IIC) is the world's leading organization **transforming business and society** by **accelerating** the Industrial Internet of Things (IIoT).*

*IIC Mission: Our mission is to deliver a trustworthy Industrial Internet of Things (IIoT) in which **the world's** systems and devices are securely connected and controlled to deliver **transformational outcomes**.*

LWG Mission: The IIC Liaison Working Group

- *Facilitates **external** interactions with the goal of **building relationships** for IIC*
- *Coordinates internal **stakeholder** requests and interest with external organizations*





Building Coalitions to Address the IoT Ecosystem

Liaison Working Group *Strategic* Objectives

- **Build** and coordinate **collaborative**, working relationships inclusive of **government** organizations, formal **standards** development organizations and **open source industry** organizations
- Working with peer working groups, identify gaps in the **portfolio** of IIC and create then leverage relationships for IIC
- Make **strategic recommendations** to IIC Steering Committee to grow ecosystem

Example areas of *collaboration*

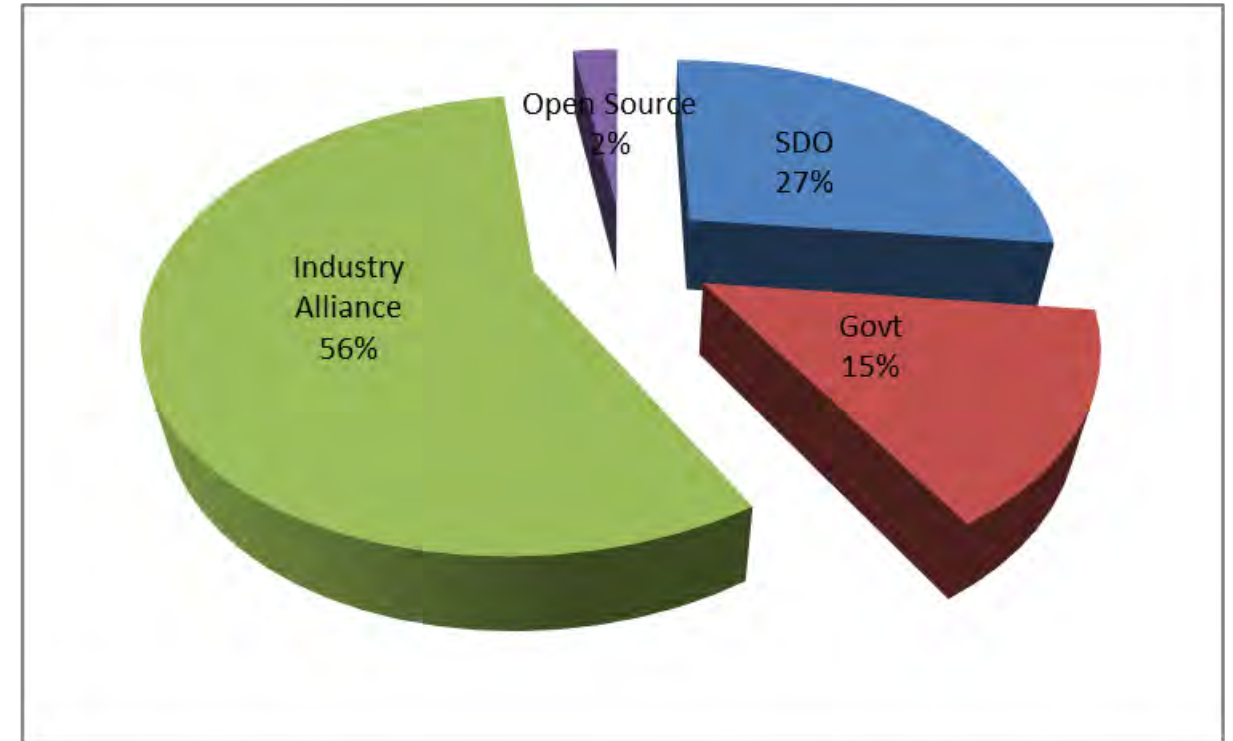
- **Joint workshops** conducted with partners (partner hosted)
 - E.g. IIC:IVI (Japan), IIC:CAICT (China), IIC:I4.0 (Germany), IIC:ECC (Industry)
- **Technical workshops** e.g. technology and security workshop with NIST, IIC:NEMA, IIC:EdgeX
- Collocated, IIC hosted **workshops** e.g. IIC:oneM2M, IIC:OSGi
- Liaison partnerships with organizations focusing on **verticals**
- Liaison partnerships with global **SDOs focused on IoT technologies**
 - E.g. ISO/IEC JTC 1/SC 41 (IoT), oneM2M, IEEE P2413 and 802.24 etc.
- Liaison partnerships with global **SDOs focused on related areas**
 - E.g. ISO/IEC JTC 1/WG 9 (Big Data)





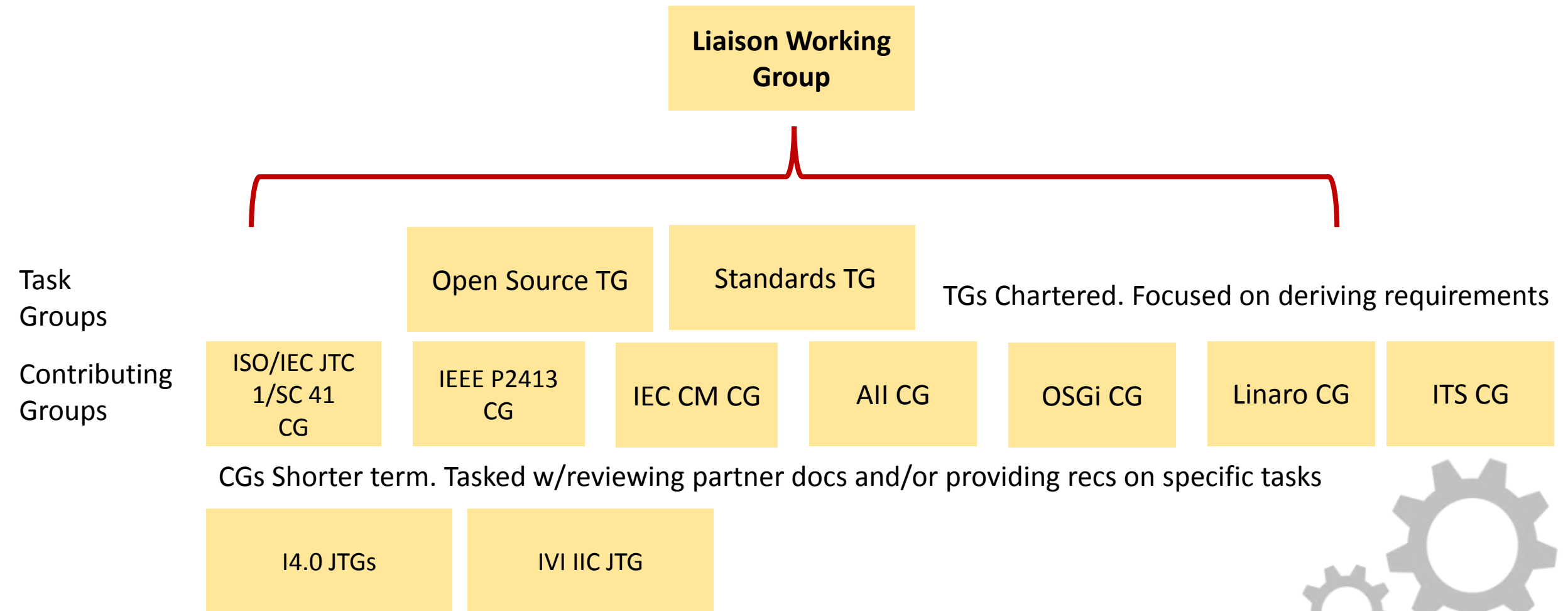
LWG At-A-Glance by the Numbers

- **42** Liaisons established!
- >15 additional new proposed liaisons
 - Driven by ITS Focus Area
 - New collaboration opportunities
- 1 liaison in the process of being renewed





Liaison Working Group – Leaving Q1 2019



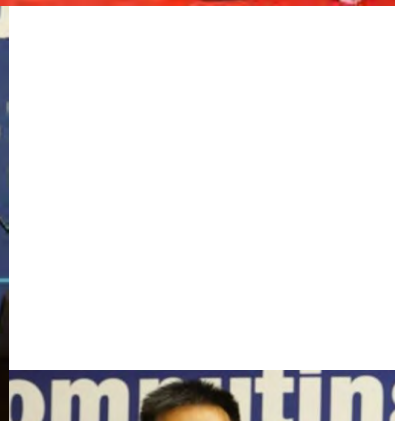
JTGs are TGs with external liaison partners. Procedure approved in Q3 by SC to allow LWG to create them. I4.0 JTGs grandfathered in and moved under LWG



LWG Officer Team – Meet the Liaison Working Group Team

- Working Group Chairs
 - Wael William Diab
 - Stephen Mellor
 - Gary Stuebing
- Standard Task Group Chairs
 - Erin Bournival
 - Ya Ling Zhou
 - Erich Clauer
- Open Source Task Group Chairs
 - Erich Clauer
 - Kai Hackbarth
 - Jiaxin (Jason) Yin
- IVI-IIC Joint Task Group Chair
 - Jacques Durand
- I4.0 Joint Task Group Chair
 - Shiwan Lin
 - Bob Martin
 - Erich Clauer
- Contributing Groups Chairs
 - Erin Bournival – ISO/IEC JTC 1/SC 41 CG
 - Kai Hackbarth – OSGi CG
 - Reed Hinkel – Linaro CG
 - Yunchao Hu – IECCM CG
 - Haihua Li – All CG
 - Francois Ozog – Linaro CG
 - Eric Simmon – P2413 CG
 - Ya Ling Zhou – OSGi CG, Linaro CG
 - Vyacheslav (Slava) Zolotnikov – P2413 CG
- Liaison Staff
 - Skyler Lew – Liaison Coordinator





5TH INTERNATIONAL WORKSHOP ON BIG DATA 14-AUG-2017

AGENDA

08:30 - 09:15 Coffee + Registration
09:15 - 09:30 Welcome
Ray Walshe CHAIR of IWBD
Enda McDonnell, Director of
09:30 - 09:45 Official Opening
Adrienne Harrington
 Head of Data Protection Unit
 Irish Government Dept. of a
09:45 - 10:00 Special Guest
Daniele Rizzi - EC DG CNEC
 European Standardisation P

Session 1

10:00 - 10:25 **Wo Chang** - ISO IEC JTC1 W
 ISO Big Data Reference Arch
10:30 - 10:55 **Wael Diab** - HUAWEI / IIC /
 Big Data Ecosystem

11:00 - 11:30 Coffee and Networking

Session 2

11:30 - 11:55 **Ashok Ganesh** - CEN CENELEC
 Future Industry Standardisation
12:00 - 12:30 **Arne J Berre** - TF6 LEAD BDVA
 BDVA Standardisation

12:30 - 13:30 LUNCH

Session 3

13:30 - 13:55 **Rigo Wenning** - W3C
 Big Data Europe -Data Engine
14:00 - 14:25 **Ingo Simonis** - OPEN GEOSPATION CONSORTIUM
 Standardized Geospatial Big Data.
14:30 - 14:55 **Georgios Karagiannis** - AIOTI
 WG3 AIOTI Standardisation
15:00 - 15:30 Panel Session
Ray Walshe (Insight@DCU)
Daniele Rizzi (European Commission)
Wo Chang (NIST / IEEE-SA)
Ana Garcia (Big Data Value Association)
Thomas Hahn (OPC Foundation)
15:30 - 15:45 Final Remarks
15:45 - 16:30 Close of Workshop and Networking



5TH INTERNATIONAL WORKSHOP ON BIG DATA DUBLIN IRELAND 14TH AUG 2017



Adrienne Harrington
 Dept. of Taoiseach (IRLGOV)
 Head of Data Protection Unit



Daniele Rizzi
 European Commission
 Data Policy and Innovation



Ray Walshe
 IEEE-SA/BDVA/ISO
 Chair of BDVA TF6SG6



Ana Garcia
 Big Data Value Assoc.
 BDVA Secretary General



Thomas Hahn
 OPC Foundation
 Board member



Ashok Ganesh
 CEN CENELEC
 Director Innovation



Arne J Berre
 Big Data Value Assoc
 TF6 Technical Task Force



Georgios Karagiannis
 AIOTI
 Lead WG3 Standardisation



Wael William Diab
 Huawei / IIC / ISO TC204
 Sr. Director / Chair IIC Liaison WG



Rigo Wenning
 W3C
 Personal Data Expert



Wo Chang
 NIST / IEEE-SA
 ISO IEC WG9 Big Data



Ingo Simonis
 Open Geospatial Consortium
 Director Innovation



<https://iwbd17.eventbrite.ie>
 to reserve a FREE Ticket

International data analysis workshop (5th JUNE, 2017)

10 speakers, About 200 participants from 100+ entities, in CAICT, Beijing





IIC:IVI Signing Ceremony @Hannover Messe (April 2017)





IIC:IVI Workshop @Tokyo Big Sight (June 2017)



**>220 Registered Attendees
(limited by space)**

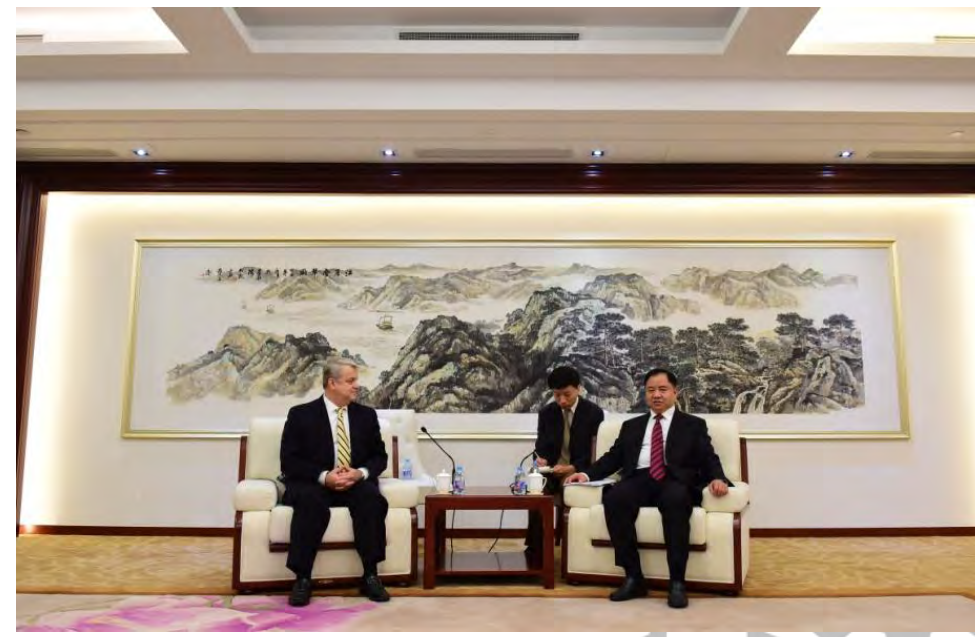


IoT International Symposium 2017 (MIC / ITAC) in Tokyo 0317



CAICT MoU Signing and Meeting with MIIT (November 7th 2016)

- Highlights
 - Meeting with Vice-Minister Chen and his senior staff at MIIT on November 7th
 - Signing ceremony and joint workshop at CAICT afternoon of Nov 7th
 - CAICT held a dinner with IIC delegates and principle attendees of workshop





Community. Collaboration. Convergence.

Things are coming together.

www.iiconsortium.org

