

CSTIC 10 Year Anniversary

十年纪念

Committee & Semi China Teams

Prepared by David Huang. March 2019



CONNECT

CSTIC 10 Year Anniversary

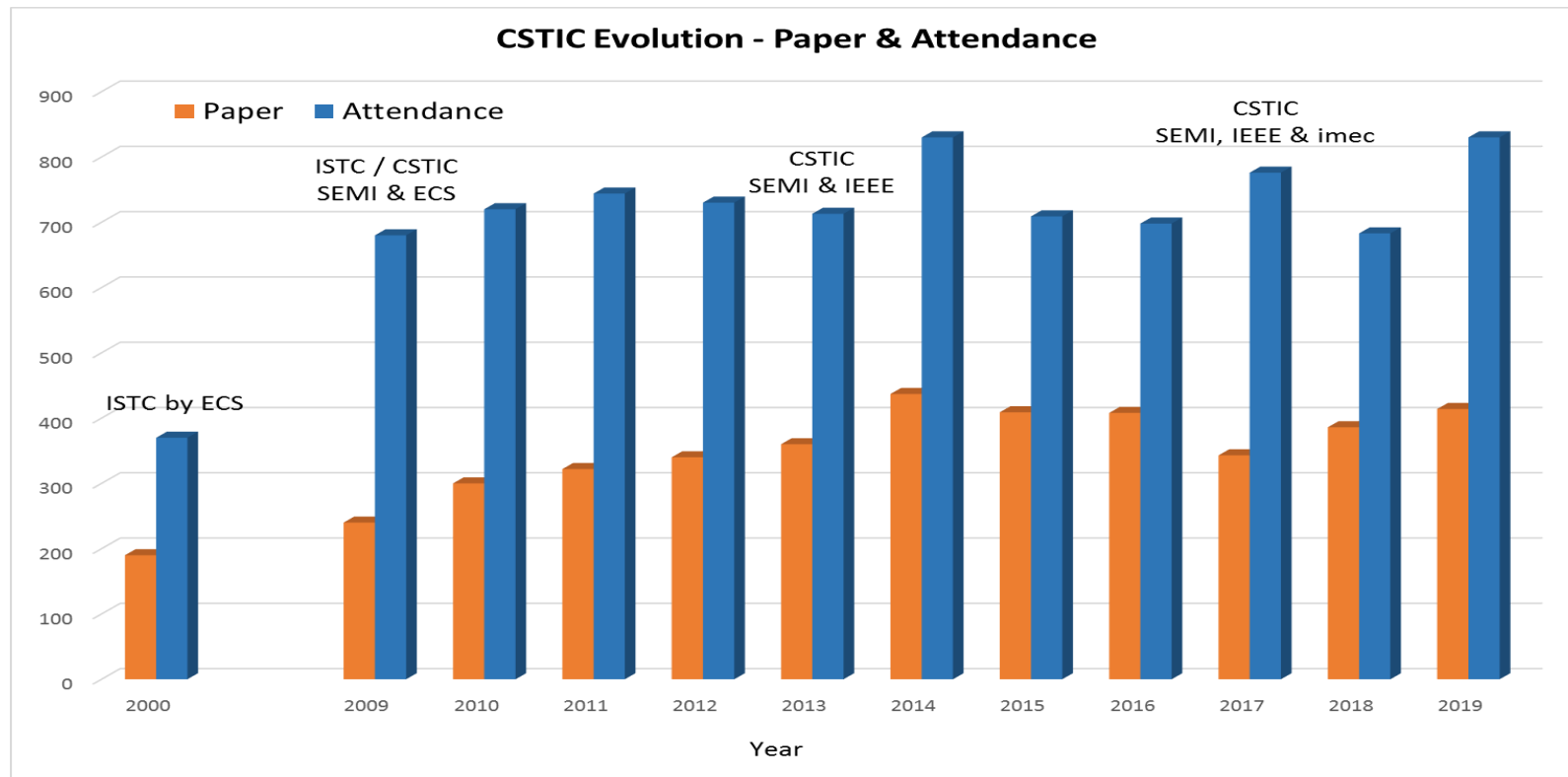


- **CSTIC was initiated in 2009 with Semi and ECS as the organizers**, source from ISTC (since 2000), and tested as CSMIC (2008). A Semiconductor technical forum to bridge China and the World. Volunteer committee team, open, transparent, passion.
- **Influential conference.** Papers from 230 to 400, attendee from 300 ~800, nine symposia to cover the IC manufacturing flow, ~80 committee members around the World. Panel discussions, training, poster... International organizers: Semi, imec, IEEE.
- **Focus on manufacturing technology, speakers from:** Intel, Samsung, TSMC, Global Foundries, SMIC, imec, AMAT, TEL, Stanford, MIT, Beijing University....
- **Distinguished plenary speakers:** Four Nobel Laureate speakers so far: Georg Bednorz (2009), Leo Esaki (2011), Ivar Giaever (2013), Hiroshi Amano (2017), VP or fellow from Intel, TSMC, IBM, SMIC, Huawei. Excellent invited speakers from established world class experts.
- **Together**, we continuously work with industry in semiconductor golden period & region

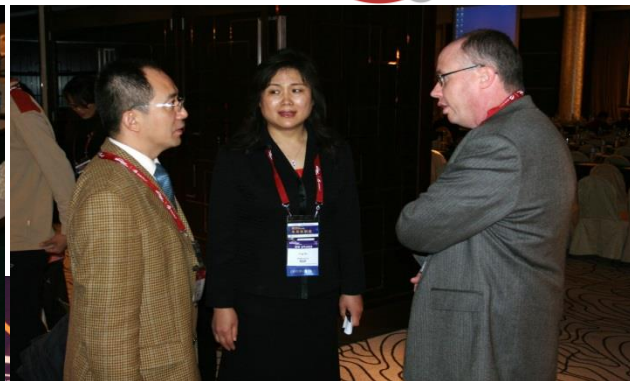
CSTIC – IC Manufacturing Technology Forum



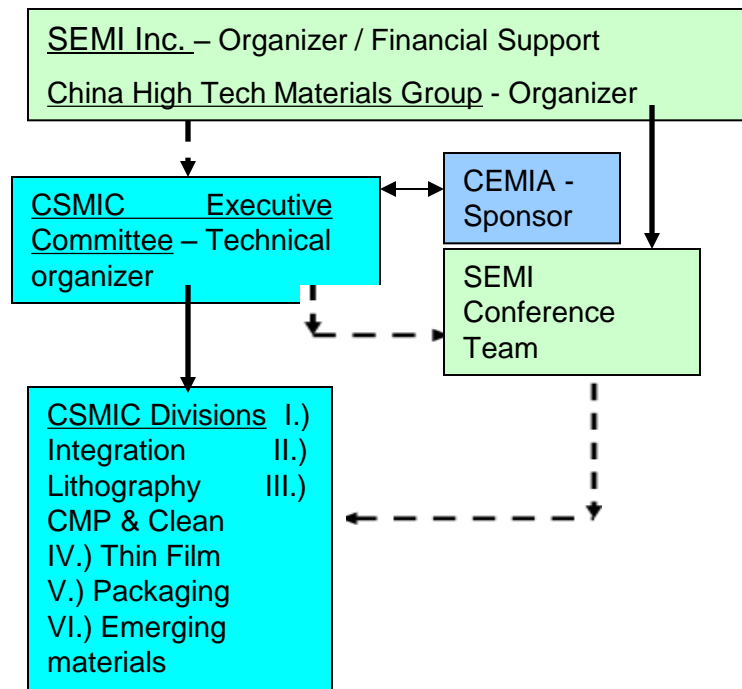
CSTIC Evolution - Paper & Attendance



2008, Warm Up as CSMIC, Shanghai, Intercontinental Hotel



CSMIC 2008 Technical Committee 大会技术委员会



❖ CSMIC technical committee consists of area experts and they are all volunteers like other major technical conferences in the world

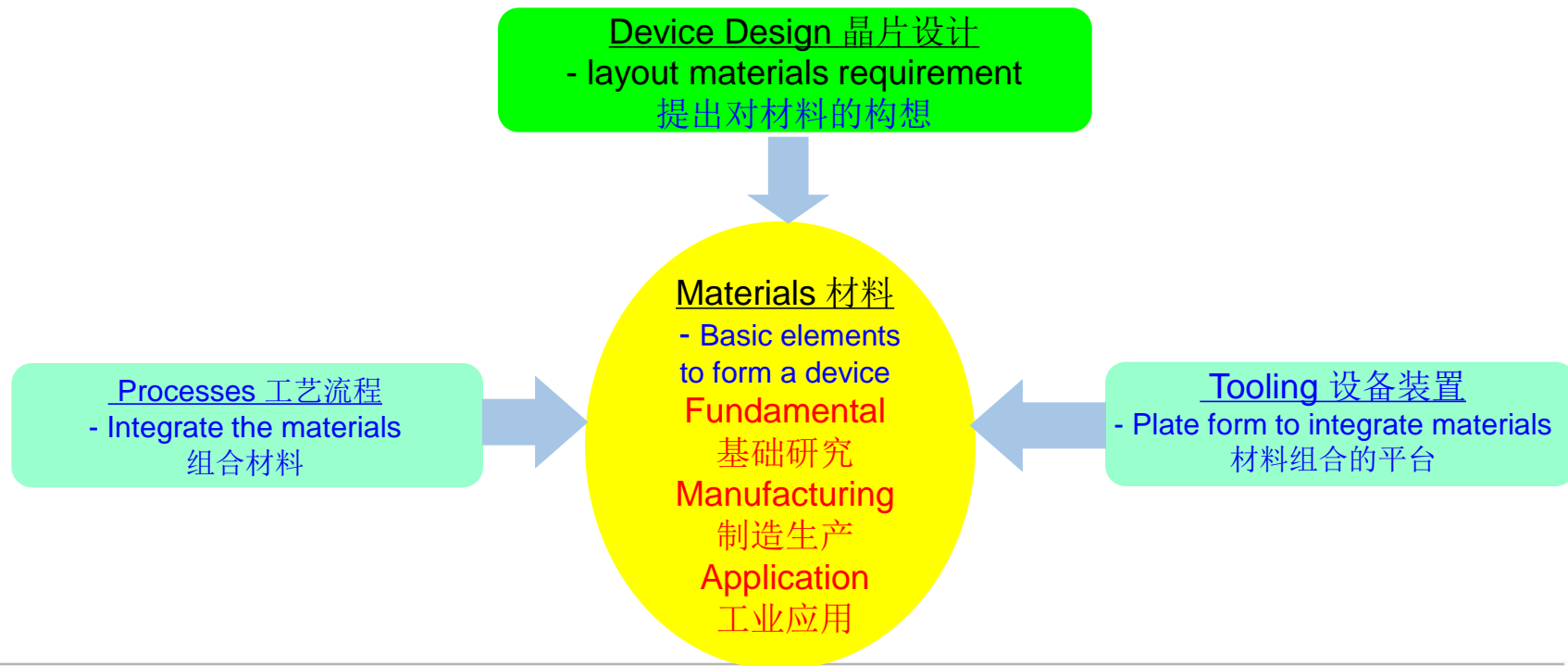
Conference Executive Committee				
Dr.	David Huang	黄丕成	Chairman	Director, Praxair Inc. , USA.
Mrs.	Shi Ying	石瑛	Co-Chair	Director, Gritex , China
Dr.	Hanming Wu	吴汉明	Co-Chair	Technical Director, SMIC , China
Dr.	Qingyuan Han	韩清源	Co-Chair	President, Hans Consulting, USA
Mrs.	April Peng	彭晔	Secretary	Chief Editor, Semi China
Session I. New Materials and Process Integration				
Dr.	Hanming Wu	吴汉明	Chairman	Technical Director, SMIC , China
Dr.	Youfan Lui	刘友凡	Co-Chair	Chairman, CASPA Phenix USA
Session II. Photolithography				
Dr.	Cindy Chen	陈昕	Chairperon	President, Kempur , China
Dr.	Curtis Liang	梁强	Co-chair	Manager, ASML -China
Session III. CMP & Cleaning				
Dr.	Chris Yu	俞昌	Chairman	CEO, Anji Microelectronics
Dr.	Kuochun Wu	吴国俊	Co-chair	Director, Cabot Microelectronics Inc
Session IV. Thin Film, Etch and Plating				
Dr.	WeiE Wang	王维一	Chairman	Scientist, Intel Inc
Dr.	Fei Xue	徐飞	Co-chair	Director, ATMI Inc.
Session V. Packaging Materials				
Dr.	Wei Chen	陈维	Chairman	Manager, Dow Corning , China
Mr.	Han Jianglong	韩江龙	Co-chair	President, Henkel Huawei , China
Session VI. Emerging and Special Materials				
Dr.	Qinghuang Lin	林庆煌	Chairman	Scientist, IBM , USA.
Dr.	Renhe Jia	贾仁合	Co-chair	Sr. Engineer, Applied Materials , USA

Scope of the Conference

China Semiconductor Technology International Conference - CSTIC

CSTIC 2019

中国半导体技术国际会议



2009, Initiated CSTIC from ISTC with Semi & ECS, Sheraton

CSTIC 2019



Keynote Speakers
专家 / 总裁演讲
Roadmap, new technology and challenges
发展预测, 新技术, 挑战

I. Device Engineering
新半导体材料 / 新工艺

V. CMP and Cleaning
化学机械抛光 / 清洗

II. Reliability / Test
可靠性及测试

VI. Thin Film / Etch / Plating
镀膜 / 腐蚀 / 电镀

III. New Materials / Processes
新半导体材料 / 新工艺

VII. Packaging
组装材料

IV. Photolithography
光刻材料

VIII. Emerging Materials
新创材料

Session Mission
Informative
最新信息
Inspirational
启发思维
Collaborative
合作交流

IX. Silicon Technology
for Semiconductor & Solar
半导体及太阳能硅技术

semir



**SEMICON[®]
CHINA**

FPDCHINA

千里之行，始于脚下；国际化，制度化。

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2010, Good Speakers, Nice Team



2011, Found Home (Kerry Hotel), Nice Place.

CSTIC 2011



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好地方，好团队

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2012, Understand Quantum Tunneling



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Esaki Tunnel Diode, 当年轻人面对诺贝尔偶像时



2013 – Introduction of IEEE, EI Searchable.

CSTIC 2019



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一流的讲师，论文走向世界

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2014, Moved to SHICC

CSTIC 2019



2015, Consistently Focus on Manufacturing Technology

CSTIC 2019



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精心打造一流国际会议

semi

2016, Post Moore's Law - What will be the path ?



2017, Partner with imec. Memory Chip Market Booming



2018, EUV, FinFET Enabled Sub 10nm Node



EUV, 鱼翅设计(FinFET)延长了摩尔定律。



CSTIC 2019, 2029, 39... Technology is Driving Industries



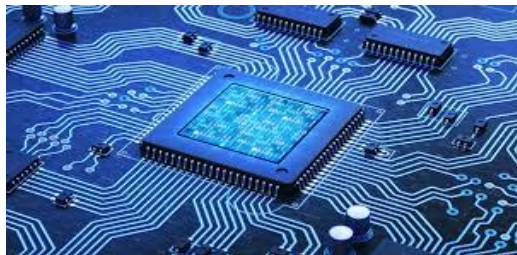
Data centers / IoT



5G Network / Devices



Artificial Intelligence



IC Chip Essential



中国国际半导体技术大会(CSTIC)