

# 2nd Organizing President & 2nd Executive President(2018-2020)



2nd Organizing President  
**Prof. Dr. JinHyo Joseph**  
(DGIST, Korea)

Term: 2017.12.08 -2020.12.31



2nd Executive President  
**Dr. DongKyu Won**  
(KISTI, Korea)

Term: 2017.12.08 -2020.12.31

## 2018 Welcome Speech

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Prof. Dr. Jinhyo Joseph Yun



**SOIOM & SOIOM of the 19th SOIOM Conference**  
June 26-28, 2018, Seoul, Korea

**Welcoming Speech by the Organizing President of SOIOM**  
Prof. Dr. Jinhyo Joseph Yun

Dear all, I am very happy to meet you, Honorable Professor Frances Kozminski, Philip Cooke, And Caputo, Young Kwonho, Raeha Raeha, Hakhee Ohan, President of Migo university, and my best colleagues Professor Yun, Park, and Ahn, in addition to all honor professors, researchers, students, and entrepreneurs who are at the SOIOM University, Nagoya Japan where the homepage of a world number one automotive company Toyota. Thanks a lot to the hosting chair, Professor Yun, Sook, and all Nagoya colleagues for preparing this historic conference.

The theme of SOIOM 2018 conference is "Second IT Revolution, and Dynamic Open Innovation". From Smart City, Autonomous Car, Intelligent Robot, and Block Chain to Sharing Economy (Yun et al., 2018). Transition to the second generation, more than 200 papers or business models from 177 universities and institutions of diverse countries will be presented. In addition, you should know we would like to produce keynote speech and poster student lectures which will answer to our research question deeply.

The role of innovation model is market growth in the automation, smart city, and sharing economy related industries is bigger than technology even though it is intelligent robot, or block chain industries. The importance of technology is bigger than business model in the second IT revolution (Yun, Won, & Park, 2018; J. Yun, Won, Park, Jung, & Zhao, 2019). Let us maximize the benefits of open innovation and minimize the cost of closed innovation with maximizing the entrepreneurial ecological dynamics of open innovation to expand the growth limits of capitalism in the 2nd IT revolution (Yun, Won, Park, & Zhao, 2018; J. Yun, 2015).

Recent Korea state of the SOIOM (Japan) that they target to Open do research in the growth limits who are proud of their sharing, ethics, or digital such person? We need open innovation culture which which people do not drive themselves to other places like people in Japan.

McAfee has who is the father of open source, so to say. McAfee, turned all around of Japan, and did open connection with those people from all classes during all his life from 1984-1989. He is the founder of open innovation spirit of Japan. He wrote "The second world war: The end of the world of closed doors" when he visited Nagoya. I think that the spirit of his book because the source of the open innovation dynamics of Toyota is a lot of Japan firms.

Most Phone Society which was built by Friedrich Hayek, and Milton Friedman in 1947 with small group of 40 scholars composed the world economic theory against Keynes and Karl Marx (Joseph, 2017). The society produced the "Global economy growth process, and sustained US and UK economy stability, and in dominating Korea Economy over other (Joseph, 2019). I really expect that SOIOM will cause explosion from the growth limits, performance, and employment in 30 years.

The Palace of Ch, the Cannes festival's highest prize of 2019, was awarded to the Korean film

(Yun, Won, Park, & Zhao, 2018). My intensive case study of Alibaba open innovation dynamics in the process of its becoming the global top business enterprise company. I visited all its connections with my colleagues and Professor Yun from DGIST, Professor Park from Soonghyun University, and Professor Yun from Hanyang University.

Second, I will prepare the new way to successful startups, the social entrepreneurship model by open innovation (Yun, Won, Park, & Zhao, 2019). Through more than 7 years intensive study of Samsung Electronics, I propose the successful case way with research collaborations with Professor Lee Mathias from KAIST, Professor Park from Soonghyun University, and Professor Yun from DGIST.

Third, I will prepare the open innovation as accelerator in the way to smart city, smart life, and sustainable capitalism in the 2nd IT revolution (Yun, Won, Park, & Zhao, 2018). I did an overall education model in the way to increase world knowledge, which is essential to the emergence and maturity in the 4th industrial revolution with my colleagues such as Professor Yun from Daejeon Technological University, and Professor Yun, Sook, and Park from DGIST.

Fourth, I will analyze the influence of open innovation culture in technology value and market among the automotive, Robot, and Aviation industries of Korea (Yun, J. H., Jung, E. S., Lee, Y. S., Kim, S. K., & Kim, S. K., 2018). My preliminary proposal of 7 solutions in 10 years, the research project I look of open innovation effects such as technological value, economic, societal value increasing, and technology transfer increasing by collaborating with my colleagues such as the Soonghyun KAIST, So. Lee from Soonghyun KAIST, and So. Kim from KAIST.

In addition to these 4 proposals, I think the general additional policies, institution, or strategies are essential to expand the 4th industrial revolution and sharing economy paradigm. They can be diverse such as basic income, basic wealth, high education over 90% level of income tax, or high innovation R&D contents with dynamic balance among social open innovation, market open innovation, and closed open innovation, which should be considered and proven in several papers before the SOIOM (Yun, Park, 2019). Let us enjoy SOIOM 2018 conference, and welcome city Nagoya together from right now.

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June 26, 2018

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## 2019 Welcome Speech

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**SOIOM & Hanyu University 2019 Conference**  
June 26-28, 2019, July 1-3, 2019, Hanyu University, Nagoya, Japan

**Welcoming Speech by the Organizing President of SOIOM**  
Prof. Dr. Jinhyo Joseph Yun

I am so happy to meet you, Honorable Professor Frances Kozminski, Philip Cooke, And Caputo, Young Kwonho, Raeha Raeha, Hakhee Ohan, President of Migo university, and my best colleagues Professor Yun, Park, and Ahn, in addition to all honor professors, researchers, students, and entrepreneurs who are at the SOIOM University, Nagoya Japan where the homepage of a world number one automotive company Toyota. Thanks a lot to the hosting chair, Professor Yun, Sook, and all Nagoya colleagues for preparing this historic conference.

The theme of SOIOM 2019 conference is "Second IT Revolution, and Dynamic Open Innovation". From Smart City, Autonomous Car, Intelligent Robot, and Block Chain to Sharing Economy (Yun et al., 2019). Transition to the second generation, more than 200 papers or business models from 177 universities and institutions of diverse countries will be presented. In addition, you should know we would like to produce keynote speech and poster student lectures which will answer to our research question deeply.

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The Palace of Ch, the Cannes festival's highest prize of 2019, was awarded to the Korean film

"Parasite" directed by Bong Joon-ho on May 23rd. This movie won the polulation of classes in capitalism. I expect that a lot of creative solutions to meet the polulation of classes with open innovation dynamics will be proposed at SOIOM 2019.

Let us enjoy SOIOM 2019 conference, and the beauty of Nagoya together from right now.

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June 26, 2019

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# 2020 Welcome Speech

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**Welcoming Speech by the Organizing President of SOI**  
-Prof. Dr. Jinhyo Joseph Yun-

I am so happy to have a chance to meet you in the COVID-19 pandemic through official and online. Hosts Professor Chul Ho, Philo Chang, Youngling Shi, Baohua Sun, Sunyi Y. Kwon, and Parkan Cho, Young Ilu Chang, and my best colleague professors, researchers, students, and colleagues who are at SOI, Daegu Korea when in the basement of world-top electronic product company, Samsung. Thanks a lot to the hosting chair, Professor Young Ilu Chang, the head for Engineering Technology of Oklahoma State University, and all Oklahoma state university colleagues for hosting, preparing, and joining at this fantastic conference. Most of all, I thank to Mr. Kim, the president of DGIST for giving us a chance to organize SOI 2020 at DGIST solely in this year.

The theme of SOI 2020 conference is "Artificialness Open Innovation: When Engineering and Digital Technology meet Political Economy and Market". To realize this theme, more than 215 papers or business models from were applied from worldwide. Among them, nearly 100 papers from 120 universities or research institutes of 41 countries were accepted to present at SOI 2020. Thanks to all presenters at SOI 2020 especially for your giving best energy to prepare great papers even though COVID-19 pandemic with meeting SOI 2020 from Oklahoma State university to DGIST.

"Global socioeconomic inequality also increased in all regions of the world since the 1980s, as if we do not radically transform the present economic system to make more equitable, and more sustainable, 'progress' could well erode at the faster rate and increase changes the will destroy the global, hyper-capitalist, digital economy that has dominated the world since 1990" (Pikety, 2020, p. 2).

Right now, the COVID-19 Pandemic has known the several other aspects of the growth limits of hyper-capitalist economy in addition to inequality which was pointed by Thomas Pikety.

First, global supply chain networks can be in danger easily in the situation that world economies are highly interconnected. Physical effects of any country or global supply chain can influence across self-our outputs in effects according to experience in COVID-19 Pandemic.

Second, market can not resolve all problems even in the hyper-capitalist economies. For example, hospital, medicine, food distribution, meeting of all generations, going to foreign countries, going outside, going to work, going to schools et al., nearly all aspects of capital life were stopped in COVID-19 Pandemic from USA, global number 1 each country to poor countries in Africa.

Third, even though in the 4<sup>th</sup> Fourth industrial revolution with the 2<sup>nd</sup> IT explosion, the final sustainability of the economy depends of quality, neighborhood, and regional innovation system. The drive-through treatment of COVID-19 in Korea, collective intelligence in local societies in



Italy, and several Europe cities, and Non-market based local leaderships in China, Korea, Japan, Russia, et al. let us think about locally in 21<sup>st</sup> capital economy.

Fourth, to treat COVID-19 Pandemic, we need the social open innovation such as collective intelligence to prevent epidemics, and engineering open innovation of global pharmaceutical industries, innovation, and research institutes to develop medicine and vaccine to treat COVID-19 Pandemic. We should keep in mind that artificialness open innovation to meet social open innovation and engineering open innovation is required to treat any serious problem in hyper-capitalist economy such as COVID-19.

I expect that "Global hyper-connectivity, no-market rules in the 21<sup>st</sup> first capital, locally or regional innovation system in the 4<sup>th</sup> industrial revolution, and artificialness open innovation between social open innovation and engineering open innovation will be presented and discussed a lot in the SOI 2020".

We prepared SOI 2020 online-offline artificialness conference with locality in Korea, and global networks through online. I expect that SOI 2020 will be new standard of global conference in the COVID-19 Pandemic situation.

Let us enjoy the fantastic SOI 2020, and SOI 2020 live Summer School all together!

July 17<sup>th</sup>, 2020



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# 2018 Welcome Speech

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Dr. Dongkyu Won







**Congratulatory Speech by the Executive President of SOIImC**  
-Prof. Dr. Dongkyu Won-

At the University of Naples Federico II, the first public university in Europe, which, six years later, will be the 100th anniversary of its opening, it is very meaningful to have a conference on the subject of "How to respond to the 4th Industrial Revolution" Open Innovation and Open Physics from Manufacturing to Service Industry".

Future society by the Fourth Industrial Revolution is expected to be a new change that we will experience for the first time. In this regard, it is necessary to develop a logic to cope with the emerging social issues such as productivity, jobs, quality of life, and social and ethical problems.

So what is the fourth industrial revolution? In the era of the Fourth Industrial Revolution, substantially different production factors such as AI (Hyper-Connectivity), Big Data (new capital), AI (Hyper-Intelligence) and Block-Chain (Hyper-Trust) will be used.

And it can be defined as an industrial intelligence revolution characterized by "continuous short-term innovation" which is different from the existing tertiary industrial revolution in terms of speed, scope, depth and trust.

In other words, if the first and second industrial revolution has modernized the physical space, and the third industrial revolution has re-vitalized the modernization in the cyberspace, the fourth industrial revolution brings the new blueprint of the future by fusing physical space and cyberspace.

What are the strategies for actively responding to the society in which these new changes are expected? This conference will be a place where the members from all over the world will have a heated debate and presentation on this question.

Just as the foundation of the scientific revolution in the past Renaissance era became a bridge linking the middle ages to the early modern era, I wish for a new foundation for the Fourth Industrial Revolution in the heritage of the Renaissance.

I would especially like to thank the University of Naples Federico II for giving this opportunity.

June 27, 2018

**Dongkyu Won**  
Executive President of SOIImC