



**Proceedings: The 2nd International and
National Conference on
Multidisciplinary Innovation
Development in the 21st Century**


**The Graduate School
Bansomdejchaopraya Rajabhat University, Bangkok,
Thailand
March 20, 2021**

(Building 1), Floor 4, Bansomdejchaopraya Rajabhat University, Bangkok, Thailand

Tel: +66 2473 7000 Ext. 1811, 1814 | Mobile: +66 66153 6645

Email: grad@bsru.ac.th | Website : <http://grad.bsru.ac.th/>

Daily Schedule of Events

March 20, 2021		Time: 07:30 – 18:30
Registration		7:30 – 08:00
	Venue:	Building 1, Floor 4, Bansomdejchaopraya Rajabhat University
	Staff:	Graduate school's staffs
	Note:	<ul style="list-style-type: none"> * Collecting conference materials; * Certificate will not be available at the registration desk until you finish the presentation at the conference day (except poster presenters); * Accommodation is not provided, and it's suggested to make an early reservation
Video introducing BSRU and the graduate school		08:00 – 08:30
The Office of Public Relations and Information		
Arts and culture show (Berk Fah Ngam Siam Chaturathee)		08:30 – 08:40
<ul style="list-style-type: none"> - The Department of Dance Arts, Faculty of Humanities and Social Sciences - College of Music 		
Opening Remarks		08:40 – 09:00
<ul style="list-style-type: none"> - Reporter by Asst.Prof.Dr.Linda Gainma President of Bansomdejchaopraya Rajabhat University, Thailand - President of the conference by Assoc.Prof.Dr.Sombat Kochasit Chairman of the University Council of Bansomdejchaopraya Rajabhat University, Thailand 		
Award ceremony and the shield award		09:00 – 09:30
The shield award for co-hosts, the shield award for honoring qualified persons and the shield award for excellent research articles		
Key note Speech I		09:30 – 10:30
Professor Joe Luca Edith Cowan University, Perth, Australia Title: Connecting universities and industry using virtual collaboration Tools		

Coffee Break on the side	
<p>Key note Speech II</p> <p>Professor Dr. Kriengsak Chareonwongsak</p> <p>Chairman of the Nation-Building Institute (NBI) and the president of the Institute of Future Studies for Development (IFD)</p> <p>Title: สหวิทยาการเพื่อการพัฒนานวัตกรรมในศตวรรษที่ 21</p>	<p>10:30 – 11:30</p>
<p>Presentation of research article in posters</p>	
<p> Venue: Building 1, Floor 4, Bansomdejchaopraya Rajabhat University</p>	
LUNCH @ Building 11 Floor 2 (12:00 – 13:00)	
<p>Presentation by Each Session</p>	
<ul style="list-style-type: none"> - International oral session: The meeting room, building 6, floor 13 - National oral session (Social Science Researches): The meeting room, building 6, floor 14 - National oral session (Science & Technology): The meeting room, building 6, floor 15 - International online session: Tanpooyingjan meeting room, building 11, floor 5 - National online session (Social Science Researches): The meeting room, building 11, floor 3 - National online session (Science & Technology): The meeting room, building 11, Floor 3 	
Give the certificate to the researcher after completing the presentation	

President's Note



Each country or local community may have its unique social, economic and cultural contexts and therefore, its tendency to using one theory or a combination of theories from the typology in globalized education may be different from the other. For those countries with less cultural assets or local values, the theories of amoeba and fungus may be an appropriate choice for development. However, this typology can provide a wide spectrum of alternatives for policy-makers and educators to conceptualize and formulate their strategies and practices in fostering local knowledge for the local developments. The relationship between localization and globalization in education is dynamic and interactive. Localized globalization in education can create more values for local developments if local creativity and adaptation can be induced in the process of operational change and cultural change.

In facing up the challenges of globalization, there is a great demand for paradigm shift from the traditional paradigm of site-bounded education towards the new paradigm of triple combination including globalization, localization and individualization in education with the support of information technology and various types of local and global networking. There are five types of local knowledge to be pursued in globalized education, including the economic and technical knowledge, human and social knowledge, political knowledge, cultural knowledge, and educational knowledge for the developments of individuals, school institutions, communities, and the society.

Hopefully, this conference may bring us a new pathway to our local development through sharing body of knowledge raised by the scientific methodology and research network should be strengthened by our unfailing cooperation.

A handwritten signature in black ink, appearing to read 'Linda Gain-ma'. The signature is stylized and cursive.

Assistant Professor Dr.Linda Gain-ma

President of Bansomdejchaopraya Rajabhat University

Graduate School's Note



The research is the key to the development of knowledge and the mission of higher education institutions. In the proactive aspect, the graduate school of Bansomdejchaopraya Rajabhat University is required to create excellence and upgrade the quality of graduate studies. Globalization (Globalization) has changed rapidly. However, this change must be based on an understanding of the good local culture. Researchers can apply interdisciplinary academic and research works for innovation development in the 21st century in all dimensions. On this occasion, the Graduate School recognizes the importance and necessity of disseminating the research results of professors, students, researchers and interested persons in both Rajabhat University and educational institutions both at home and abroad. Therefore, the Graduate School organizes the 2nd National and International Research Conference 2021 on Multidisciplinary for Innovation Development in 21st Century". Finally, the Dean of the Graduate School would like to thank everyone for submitting research articles and attending this academic conference.

Dr.Kanakorn Sawancharoen

The Dean of the Graduate School

Key Note Speaker



Professor Joe Luca

Dean, Graduate Research School, Edith Cowan University

Professor Joe Luca is a former Dean of Graduate Research School, Edith Cowan University (ECU), Perth in Australia. He specializes in educational management and building academic collaborations.

His qualifications include PhD, Master, Diploma and Bachelor degrees in mathematics, computing, education and computer education. He has also published over 70 papers, book chapters and journal articles related to researching applications of computer technologies in teaching and learning.

He has been researching teaching practice for many years, working collaboratively with a group of researchers at ECU exploring effective implementations of online learning, and has published extensively in this field. He has won a number of prizes for teaching, including the Vice-Chancellors award for excellence in teaching.

His researches have been cited worldwide. They are focused on developing quality doctoral programs encompassing supervisory practice and training programs, industry engagement, developing impact, online delivery, admission and administration processes and international collaborations.

Key Note Speaker



Professor Dr. Kriengsak Chareonwongsak

Chairman of the Nation-Building Institute (NBI),

President of the Institute of Future Studies for Development (IFD)

Professor Dr. Kriengsak Chareonwongsak graduated with first class honours and obtained a PhD in Economics in 1981 at Monash University, Australia. He obtained a Master of Public Administration from Harvard University, USA, Master Degree from Judge Business School, Cambridge University, having also a D Phil (Doctor of Philosophy in Management) and Post Doctoral Studies (Public Policy and Management) at the University of Oxford, UK. He graduated from the National Defence College of Thailand and also graduated from the esteemed King Prachatipok Institute.

Besides teaching at Monash University, he was involved in economics research at the Impact Research Centre, University of Melbourne and at Telecom Australia. He also held a position at the Graduate School of Economics and Business Administration, Kasetsart University, Thailand.

Presently, Prof. Dr. Kriengsak is Chairman of the Nation-Building Institute (NBI), Senior Fellow, Harvard University, Professor of Management and Economics, Othman Yeop Abdullah Graduate School of Business, Universiti Utara Malaysia (UUM), Malaysia and the Academic Dean, University of London, Thailand Centre, EMFSS Programs Led by London School of Economics and Political Science (LSE). He was an elected member of the Board of Directors of the Harvard Kennedy School Alumni Association. He has been also a Research Professor at Regent University, USA and an Adjunct Professor at many universities both in Thailand and overseas.

Organizing Committees

Organized Advisory

1. Asst.Prof.Dr.Linda Gainma, Bansomdejchaopraya Rajabhat University, Thailand
2. Assoc.Prof.Dr.Sombat Teekasap, Thonburi University, Thailand
3. Assoc.Prof.Dr.Somchai Prakanchaoen, Chandrakasem Rajabhat University, Thailand

Conference Chair

1. Prof.Dr.Joe Luca, Edith Cowan University, Australia
2. Prof.Dr.Kriengsak Chareonwongsak, Former professor of the Faculty of Economics Monash University, Australia
3. Assoc.Prof.Somchai Promsuwan, Bansomdejchaopraya Rajabhat University, Thailand
4. Assoc.Prof.Peeraphong Kulpisan, Bansomdejchaopraya Rajabhat University, Thailand
5. Assoc.Prof.Dr.Cholada Phongpathanayothin, Bansomdejchaopraya Rajabhat University, Thailand
6. Assoc.Prof.Dr.Thatchakorn Suwanjarat, Bansomdejchaopraya Rajabhat University, Thailand
7. Assoc.Prof.Prasit Vejbyongrat, Bansomdejchaopraya Rajabhat University, Thailand
8. Prof.Dr.Tang Dehai, Guangxi University for Nationalities, Thailand
9. Prof.Dr.Jiang Shihui, Guangxi Normal University, China
10. Prof.Dr.Liu Jiafang, Fujian Normal University, China
11. Prof.Dr.Ma Huanling, Guangxi Normal University, China
12. Associate Prof.Dr.Li Guanghai, Guangxi Normal University, China
13. Dr.Azahar Bin Kasim, Universiti Utara, Malaysia
14. Miss April D. Acielo, Lipa City Colleges, Philippines
15. Dr.Ky Ravikun, Phnom Penh International University, Cambodia

Conference Secretary

Asst.Prof.Phongphan Narenoi, Bansomdejchaopraya Rajabhat University, Thailand

Program Chair

Miss Piangthida Serisuthikulchai, Bansomdejchaopraya Rajabhat University, Thailand

Control Session Chair

Asst.Prof.Dr.Prapai Sridama, Bansomdejchaopraya Rajabhat University, Thailand

Experts Committee Considering International and Nation Research

1. Prof. Dr.Siriwat Wongsiri, Mae Jo University, Thailand
2. Assoc.Prof.Dr.Sombat Teekasap, Thonburi University, Thailand
3. Assoc.Prof.Dr.Panjai Tantatsanawong, Silpakorn University, Thailand
4. Assoc.Prof.Dr.Jirakiat Apibunyopas, Walailak University, Thailand
5. Assoc.Prof.Dr.Wichai Waenphet, Phranakhon Rajabhat University, Thailand
6. Assoc.Prof.Dr.Adisorn Leelasantitham, Mahidol University, Thailand
7. Assoc.Prof.Dr.Somchai Prakanchaen, Chandrakasem Rajabhat University, Thailand
8. Asst.Prof.Dr.Sarayut Sethakajorn, Bansomdejchaopraya Rajabhat University, Thailand
9. Asst.Prof.Dr.Sirinut Tienroongroj, Srinakharinwirot University, Thailand
10. Asst.Prof.Dr.Thatkaew Srisod, Dhonburi Rajabhat University, Thailand
11. Asst.Prof.Dr.Natthakorn Paphan, Chandrakasem Rajabhat University, Thailand
12. Dr.Ayut Ruangtong, Rajamangala University of Technology Thanyaburi, Thailand
13. Prof. Dr.Tang Dehai, Guansi University for Nationalities, China
14. Prof. Dr.Jiang Shihui, Guangsi Normal University, China
15. Prof. Dr.Liu Jiafang, Fujian Normal University, China
16. Prof. Dr.Ma Huanliang, Guangxi Normal University, China
17. Prof. Dr.Tian Xiaowei, Southwest University, China
18. Prof. Dr.Wang Xiang, Guizhou Education University, China
19. Prof. Dr.Chen Jianlu, Guizhou Education University, China
20. Prof. Dr.Xu Jinhai, National Institute of Education Science, China
21. Prof. Dr.Yu Wenwu, Guiyang University, China
22. Prof. Dr.Li Chunling, Zhe jiang International Studies University, China
23. Prof. Dr.Yang Maoqing, Guangxi Normal University, China
24. Prof. Dr.Yang Xiaowei, East China Normal University, China
25. Prof. Dr.Zhang Shuyue, Guangxi Normal University, China
26. Prof. Dr.Ye Beibei, Guangxi Normal University, China
27. Prof. Dr.Hu Bicheng, Hunan University, China
28. Prof. Dr.Li Xiaoying, Dalian University of Technology, China
29. Prof. Dr.Sun Jieyuan, Guangxi Normal University, China
30. Prof. Dr.Liu Hongyu, Guangxi University of Finance and Economics, China
31. Prof. Dr.Ma LeiJun, National Institute of Education Sciences, China
32. Prof. Dr.Zhang Xiaofeng, National Institute of Education Sciences, China

Experts Committee Considering International and Nation Research (Continued)

33. Prof. Dr.Yuan Lei, Guangxi Normal University, China
34. Prof. Dr.Liao Dongsheng, Guangxi University for Nationalities, China
35. Prof. Dr.Xia Guoen, Guangxi University of Finance and Economics, China
36. Prof. Dr.Chi Zhaomei, Guangxi University of Finance and Economics, China
37. Prof. Dr.Xiaoping Yang, Zhejiang Yuexiu University of Foreign Languages, China
38. Prof. Dr.Shengxiang She, Guzhou University, China
39. Dr.Azahar Bin Kasim, Universiti Utara, Malaysia
40. Dr.Ky Ravikun, Phnom Penh International University, Cambodia
41. Assoc.Prof.Dr.Chollada Pongpattanayothin, Bansomdejchaopraya Rajabhat University, Thailand
42. Assoc.Prof.Dr.Areewan Iamsa-Ard, Bansomdejchaopraya Rajabhat University, Thailand
43. Assoc.Prof.Dr.Wirot Watananimitgul, Bansomdejchaopraya Rajabhat University, Thailand
44. Assoc.Prof.Dr.Bungon Sereerat, Bansomdejchaopraya Rajabhat University, Thailand
45. Assoc.Prof.Dr.Narongwat Mingmit, Bansomdejchaopraya Rajabhat University, Thailand
46. Assoc.Prof.Dr.Chitraporn Suthivoraset, Bansomdejchaopraya Rajabhat University, Thailand
47. Assoc.Prof.Dr.Niran Sutheeniran, Bansomdejchaopraya Rajabhat University, Thailand
48. Assoc.Prof.Dr.Tatchapong Sattabut, Bansomdejchaopraya Rajabhat University, Thailand
49. Assoc.Prof.Dr.Somboon Cheteleela, Bansomdejchaopraya Rajabhat University, Thailand
50. Assoc.Prof.Peerapong Kulpisarn, Bansomdejchaopraya Rajabhat University, Thailand
51. Assoc.Prof.Somchai Promsuwan, Bansomdejchaopraya Rajabhat University, Thailand
52. Assoc.Prof.Prasit Vejbyongrat, Bansomdejchaopraya Rajabhat University, Thailand
53. Asst.Prof.Dr.Kisada Pongpittaya, Bansomdejchaopraya Rajabhat University, Thailand
54. Asst.Prof.Dr.Laksana Keyuraphan, Bansomdejchaopraya Rajabhat University, Thailand
55. Asst.Prof.Dr.Tassanai Keeratiratana, Bansomdejchaopraya Rajabhat University, Thailand
56. Asst.Prof.Dr.Thidarat Tannirat, Bansomdejchaopraya Rajabhat University, Thailand
57. Asst.Prof.Dr.Patchara Dechhome, Bansomdejchaopraya Rajabhat University, Thailand
58. Asst.Prof.Dr.Pimonmas Promsukkul, Bansomdejchaopraya Rajabhat University, Thailand
59. Asst.Prof.Dr.Natsarun Tissadikun, Bansomdejchaopraya Rajabhat University, Thailand
60. Asst.Prof.Dr.Monsikarn Laovanich, Bansomdejchaopraya Rajabhat University, Thailand
61. Asst.Prof.Dr.Kanchana Suttineam, Bansomdejchaopraya Rajabhat University, Thailand
62. Asst.Prof.Dr.Chonlaporn Kongkham, Bansomdejchaopraya Rajabhat University, Thailand
63. Asst.Prof.Dr.Choowit Rattanaponsan, Bansomdejchaopraya Rajabhat University, Thailand
64. Asst.Prof.Dr.Kunyanut Seangyai, Bansomdejchaopraya Rajabhat University, Thailand

Experts Committee Considering International and Nation Research (Continued)

65. Asst.Prof.Dr.Suwinai Kirdtabtim, Bansomdejchaopraya Rajabhat University, Thailand
66. Asst.Prof.Dr.Patchareeporn Bangkheow, Bansomdejchaopraya Rajabhat University, Thailand
67. Asst.Prof.Dr.Nuttamon Puchatree, Bansomdejchaopraya Rajabhat University, Thailand
68. Asst.Prof.Dr.Apiwat Suthamdee, Bansomdejchaopraya Rajabhat University, Thailand
69. Asst.Prof.Dr.Akawit Ruangrong, Bansomdejchaopraya Rajabhat University, Thailand
70. Asst.Prof.Dr.Nusanee Meekaewkunchorn, Bansomdejchaopraya Rajabhat University, Thailand
71. Asst.Prof.Dr.Atchara Kaewnoi, Bansomdejchaopraya Rajabhat University, Thailand
72. Asst.Prof.Dr.Pilanthana Lertsatitthanakorn, Bansomdejchaopraya Rajabhat University, Thailand
73. Asst.Prof.Dr.Kittirat Thansuwansri, Bansomdejchaopraya Rajabhat University, Thailand
74. Asst.Prof.Dr.Prapai Sridama, Bansomdejchaopraya Rajabhat University, Thailand
75. Dr.Kanakorn Sawangcharoen, Bansomdejchaopraya Rajabhat University, Thailand
76. Dr.Sirigarn Phokheaw, Bansomdejchaopraya Rajabhat University, Thailand
77. Dr.Thitaya Sittisopasakul, Bansomdejchaopraya Rajabhat University, Thailand
78. Dr.Phenporn Thongkamsuk, Bansomdejchaopraya Rajabhat University, Thailand
79. Dr.Tanaput Chanchaen, Bansomdejchaopraya Rajabhat University, Thailand
80. Dr.Piyanan Issaravit, Bansomdejchaopraya Rajabhat University, Thailand
81. Dr.Thannapaporn Hongthong, Bansomdejchaopraya Rajabhat University, Thailand
82. Dr. Chaiyawit Muangmee, Bansomdejchaopraya Rajabhat University, Thailand