**Short Biography & Abstract of Keynote Speakers or Lecturers for the AC21 International Graduate Summer School (AC21 IGSS)**

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<tr>
<th>Name:</th>
<th>Peeradet Tongumpai</th>
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<tr>
<td>Position:</td>
<td>Director</td>
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<td>Affiliated institution:</td>
<td>Agricultural Research Development Agency</td>
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**Short Biography:**
Associate Professor in the Department of Horticulture, Kasetsart University.
President of the Agricultural Science Society of Thailand under the Patronage of the King.
Board Member of the National Research Council of Thailand (In Agriculture and Biological Science).
Board Member of Nanotechnology Research Center under the National Science and Technology Development Agency.
Committee Member of the Cluster of Agriculture and Food Research, National Science and Technology Development Agency.
Member of the Senate Research Committee.

**Title of your keynote speech/lecture:** Research in Agricultural Sciences and Food Production in Thailand: From Past to Present and Sustainable Future

**Abstract of your keynote speech/lecture:**
Research in agriculture in Thailand started almost a hundred years ago. Major achievement as the result of extensive research is rice and poultry production. New rice varieties have been continuously released for the farmers but new technologies for rice production are not promising due to less research has been done. Poultry production in Thailand is now advance based on a strong foundation from the past. Thus poultry becomes one of the major export produce from Thailand today. Food security and safety are the major concern of our country especially in the current situation as the world population increases drastically. Thailand and the world are moving toward the ageing society thus the food requirement may change. The National Research Council of Thailand (NRCT) has emphasized on the investment for agriculture and food research since the past. In this fiscal year the NRCT allocated extra budget for agriculture and food research more than half of the total research budget in a special program called Integrated Research Program which received additional budget from the government. Research may emphasize on rice, sugarcane, oil palm, para rubber, cassava, and food security.

**Keywords:** research, agriculture, food