各国立高等専門学校長　殿

ISATE2017　組織委員会委員長
徳山工業高等専門学校　天内　和人

第 11 回国際工学教育研究集会（ISATE2017）の開催及び参加について（依頼）

　第 11 回国際工学教育研究集会（International Symposium on Advances in Technology Education（ISATE）2017）をシンガポール・ニーアン・ポリテクニックが担当校として、平成 29 年 9 月 19 日（火）から 22 日（金）まで、シンガポールにて開催します。本研究集会は、国立高等専門学校機構とシンガポールのポリテクニック 5 校（ナンヤン・ポリテクニック、ニーアン・ポリテクニック、リパブリック・ポリテクニック、シンガポール・ポリテクニック、テマセク・ポリテクニック）との間で締結された包括交流協定に基づき、実践的技術者教育、工学教育について討論や情報交換を行う国際研究集会です。

　第 11 回目の ISATE のテーマは、「Shaping Competencies for the future： Practice-Oriented Education in the 21st Century」です。テーマは Teaching & Learning, Harnessing ICT, Collaborations in Education, Learning Spaces, 4 つのサブテーマについて、高専間の情報交換や海外の教育機関の取り組み事例等の情報収集の場としたいと考えています。

　ついては、シンポジウム（ISATE2017）へ、各高専から「上記の 4 つのサブテーマ」に取り組んでいる教員を含めて 1 名以上のご投稿をお願いします。

　また、海外からより多くの参加者を募るため、各高専が提携している協定校等にも積極的な参加呼び掛けをお願いします。

　ISATE2017 の概要につきましては、別紙をご覧下さい。

記

　　1．開催期日：平成 29 年 9 月 19 日（火）〜9 月 22 日（金）
　　2．会　　　場：シンガポール・ニーアン・ポリテクニック
　　　　　　　　　（Ngee Ann Polytechnic, 535 Clementi Road, Singapore 599489）
　　3．日　　　程：論文概要提出期限：　平成 29 年 5 月 8 日（月）※申込受付中
　　　　　　　　　採　択　通　知：　平成 29 年 6 月 8 日（木）
　　　　　　　　　論文最終原稿締切：　平成 29 年 7 月 8 日（土）
　　4．H　　　P：http: http://isate2017.sg/index.php/Website/call_for_papers
　　5．旅　　　費：参加者の旅費・参加費は、各高専の負担となりますので、ご了承願います。

【担当】ISATE2019 事務局
徳山工業高等専門学校　総務課総合企画室事務係　兼本、禹
〒745-8585　山口県周南市学園台
電話：0834-29-6205　　FAX: 0834-28-7605
E-mail：isate2019@tokuyama.ac.jp

ISATE2017概要

ISATE2017委員: 運営委員: 20名、プログラム委員: 14名

Main Theme
Shaping Competencies for the future:
Practice-Oriented Education in the 21st Century
Sub Theme（計4）
1.Teaching ＆Learning to Shape Competencies for the Future.
2.Harnessing ICT to Shape Competencies for the Future.
3.Collaborations in Education to Shape Competencies for the Future.
4.Learning Spaces that Competencies for the Future.

Plenary Session
スピーチ： NIT 1名（Day3）、TOTAL 4名（海外を含め）

Paper（Parallel Session）
スピーチ： NIT30名（Minimum）、TOTAL96名（海外を含め）

Institutional Presentation
Focus
1.Key trends in your institution, country , region in terms of the preparation of students
for the workplace.
2.Key strategies used in your institution, country, region to develop non-academic attributes
such as enterpreneurship, innovation, community engagement, global smarts etc..
Chair： NIT1名（徳山高専）、TOTAL 2名（海外を含め）
スピーチ： NIT 2名、TOTAL 6名（海外を含め）

Workshop（Conductor）
NIT 1名（嶋田先生）
TOTAL 8名（海外を含め）

日程（9月19日～22日）

Day1(9月19日)

時間	内容	場所
10時00分	OC&TPC Meeting	Blk 73, 5階
11時00分	OC&TPC Lunch	
12時00分	Registration	Convention Center
12時30分	Briefing & Grouping Campus Tour（With Tea break) Feeback	Route1: Smart & Creative Learning Spaces Route2: Innovation & Enterpreneurship Learning Spaces Route3: Technology Learning Spaces
17時30分	Welcome Reception	Convention Center

Day2(9月20日)

時間	内容	場所
8時30分	Registation	Blk 73、3階
9時00分	Opening Ceremony Welcome address 3名（各10分スピーチ） **Welcome address by NIT（to propose）1名**	MusicBox（Blk 73）
9時30分	Plenary Session 1 （Singaporean – industry） 30分スピーチ	MusicBox（Blk 73）
10時00分	Plenary Session 2 （Singaporean – SSG） 30分スピーチ	MusicBox（Blk 73）
10時30分	Tea Break	
11時00分	Institutional Presentation 1 スピーチ3名、各20分	MusicBox（Blk 73）
12時00分	Lunch	Convention Center
13時00分	Parallel Session 1 Sub-theme(4つ)XClassroom （7つ）＝Facilitator(28人) 各15分スピーチ、Facilitator：NIT 2名	Blk 73 2階 Classroom
14時30分	Session Break	
14時45分	Parallel Session 2 Sub-theme(4つ)XClassroom （7つ）＝Facilitator(28人) 各15分スピーチ、Facilitator：NIT 2名	Blk 73 2階 Classroom
16時15分	Tea Break	
16時30分	Workshop 1 (Sub-theme 1, Sub-theme 2, Sub-theme 3, Sub-theme 4) NIT1名（嶋田先生）	Blk 72 Our Space
18時00分	Proceed to Banquet	
18時30分	Banquet スピーチNIT1名	ニーアンポリテクの校外

Day3(9月21日)

時間	内容	場所
9時00分	Plenary Session 3 **Kosen to decide** 30分スピーチ	MusicBox（Blk 73）
9時30分	Plenary Session 4 HK/IVE to decide 30分スピーチ)	MusicBox（Blk 73）
10時00分	Tea Break	
10時30分	Parallel Session 3 Sub-theme(4つ)XClassroom （7つ）＝Facilitator(28人) 各15分スピーチ、Facilitator：NIT 2名	Blk 73 2階 Classroom
12時00分	Lunch	
13時00分	Institutional Presentation 2 スピーチ3名、各20分	MusicBox（Blk 73）
14時00分	Session Break	
14時15分	Parallel Session 4 Sub-theme(4つ)XClassroom （7つ）＝Facilitator(28人) 各15分スピーチ、Facilitator：NIT 2名	Blk 73 2階 Classroom
15時45分	Tea Break	
16時00分	Workshop 2 (Sub-theme 1, Sub-theme 2, Sub-theme 3, Sub-theme 4)	Our Space (Blk 72)
17時30分	Closing Ceremony スピーチ3名 **NIT 1名**	MusicBox（Blk 73）
18時00分	Back to Hotel/Evening Tour Optionプラン	ニーアンポリテクの校外

Day4(9月22日)

時間	内容	場所
9時00分	遠足（観光）	ニーアンポリテクの校外

スケジュール（手続き）

日付	Title	備考欄
2月13日	1st Joint OC & TPC Meeting	ニーアンポリテク
5月8日	Abstracts due、Registation Open	
6月8日	Notification of acceptance	
6月30日	2st Joint OC & TPC Meeting	徳山高専（大会議室）
7月8日	Paper submission deadline	

Website(論文概要提出)
http://isate2017.sg/index.php/Website/call_for_papers

参加費
Registation & Fee：シンポジウム（S$330）、遠足（S$60)/1人
支払い方法：Paypal（クレジット決済）

各国立高等専門学校
　　　総務課担当者　殿

ISATE2017 組織委員委員長
徳山高等専門学校　天内　和人

第 11 回国際工学教育研究集会（ISATE2017）論文投稿について(依頼)

　標記研究集会については、各高専 1 件以上の参加（論文投稿）を原則とし、全体として 30 件以上の論文投稿を予定しております。
　事前に各高専からの論文投稿件数を把握させていただきたいので、論文投稿予定件数をメールにて回答下さるよう、お願いします。併せて貴校の海外協定校への ISATE2017 への参加及び論文投稿の積極的な呼びかけも重ねてお願いします。

記

1. 平成２８年４月２４日（木）までに、別紙により論文投稿予定件数を ISATE2019 事務局（徳山高専）まで FAX あるいは E メールにてご連絡下さい。

2. 平成２８年５月８日（日）までに、各高専 1 件以上の Abstract（論文概要）投稿をお願いします。
（ISATE2017 ホームページからご登録お願いします）
http://isate2017.sg/index.php/Website/call_for_papers

3. 海外からの参加者をより多く募りたいので、できるだけ海外協定校からも参加いただくよう、ご連絡のご協力をお願いします。
なお、海外連絡用のメール文例及びＰＲ用画像付 PDF ファイルも今回の文書に添付しますので、ご連絡の際にご利用下さい。

ＩＳＡＴＥ２０１９事務局（徳山高専）行き
　　FAX：0834-28-7605
　　E-mail：isate2019@tokuyama.ac.jp
　　　　　（E-mailの場合はメール本文に報告内容を記載するか、
　　　　　　このファイルに報告内容を入力して添付ファイルにてお送り下さい）

ＩＳＡＴＥ２０１７論文投稿数について（回答）

高専名：　　　　　　　　　　　　高等専門学校

論文投稿予定件数：　　　　　　　件

協定校論文投稿予定件数：　　　　　件
※わかる範囲でお答え下さい。

論文投稿者

　お名前：　　　　　　　　　　　　　　　　（日本語）

　お名前：　　　　　　　　　　　　　　　（ローマ字）

　ご連絡先：　　　　　　　　　　　　　

　メールアドレス：　　　　　　　　　　

ご協力よろしくお願いします。

Reviewers' Template ISATE 2017

Title of Paper	
Paper ID	

Review Questions	Yes	No	Requires modification
The topic is relevant to the theme of the symposium.			
The topic brings new perspectives to current practice.			
The title of the abstract captures the contently clearly.			
The abstract is well written and grammatically correct.			

Reviewer's Comments to Author (*Reviews can include: Key strengths of the abstract, suggestions for author's consideration, areas of clarifications etc.)*

Reviewer's Recommendations to ISATE

( ) Accept   ( ) Accept with Amendments   ( ) Reject

Select the sub-theme(s) that the abstract is relevant for
( )   Teaching & Learning to shape competencies for the future
( )   Harnessing ICT to shape competencies for the future
( )   Collaborations in education to shape competencies for the future
( )   Learning Spaces that shape competencies for the future

Additional Comments (if any)

Provide Title of Paper Here [Arial-16]

A.B. Firstauthor*, C. Coauthor** and D.E. Other coauthor*
[Arial-14-bold]

---

* Institution/Department, Affiliation, Country [Arial-14]

** Institution/Department, Affiliation, Country [Arial-14]

* E-Mail Address of the corresponding author [Arial-14]

Abstract [Arial-14-bold]

Provide an abstract of the paper between 300 to 350 words. [Arial-14]…

•••

Include purpose, methodology, results, conclusions and recommendations as appropriate.

•••

Do not change the margin setting and the line space. Do not indent any part of an abstract.

•••

Keywords [Arial-14-bold]

Suggest 5 - 10 keywords, separated by commas. [Arial-14]

Approval Certificate

Author's Name: _____

Affiliation: _____

Title of Work: _____

I hereby certify that I have obtained and attached hereto a written permission statement from the owner(s) of each third party copyrighted material to be included in my work, allowing distribution as specified below.

I hereby grant permission to the ISATE Secretariat to archive and make accessible the above work submitted to ISATE 2017 in whole or in part in all forms of media, now and hereafter known, including publication on the internet. I retain all rights to the copyright of the work and the right to use in future works (such as articles or books) all or part of this work, unless otherwise specified.

Author: _____

Signature: _____ Date: _____

PROVIDE TITLE OF THE PAPER HERE
[Times New Roman-12-bold/Caps]

A.B. Firstauthor[*,a], C. Coauthor[b] and D.E. Other coauthor [a]

[a] Institution/Department, Affiliation, City, Country
[b] Institution/Department, Affiliation, City, Country

*E-Mail Address of the corresponding author

Abstract

Instructions for preparing a full paper for the symposium are presented here. They are intended to guide the authors in preparing camera-ready hardcopy and electronic form of their papers. Provide an abstract of the paper (10 point bold) between 300 to 350 words. Do not indent any part of the abstract except for the first line. [Times New Roman-10]

Keywords: *word1, word2, word3, word4, word5*

Introduction

English is the official language of the symposium. The authors are responsible for the content, originality, and style. Give an introduction to the work presented in the paper. [Times New Roman-10]

Materials and Methods or pedagogy

Length: The preferred length for all paper submissions, with abstract and references included, is a maximum of 6 pages (single line spacing).

Keywords: Five to ten keywords of the manuscript should be placed beneath the abstract. Put a comma after each keyword and type them in lower-case except for special cases such as abbreviations. [Times New Roman-10, Italic face]

Style: Use separate sections for introduction, materials and methods, results, discussion, conclusions, acknowledgements (when appropriate). Non-technical papers on educational pedagogy should provide information on methodology and related processes in implementation. Type the section headings in bold style without indentation and leave one blank line before and after each heading. Use only one level of headings.

Body Text: Use Roman typeface (10 point regular) throughout. Only if you want to emphasise special parts of the text use Italics. Start a new paragraph by indenting it from the left margin by 5 mm (and not by inserting a blank line).

Tables and Figures: Paste tables and figures where needed (as close as possible to where they are mentioned in the text), if necessary spanning both columns. Number them consecutively using Arabic numbers (e.g. Table 1, Table 2, Figure 1, Figure 2,) and provide a caption for each table and figure. Place captions above the tables and beneath the figures. Leave one blank line before, and one after the captions. Do not indent or center the captions. Please keep in mind the distinction between tables and figures: tables only contain alphanumerical characters and no graphical elements.

American Psychological Association (APA) referencing style both in text and for listing references at the end of the paper is recommended. References in text should be author and date:

… Wilson (2000) makes this distinction …

… Wilson, Hodges, and Jackson (2000) found that …

… the point is discussed in several places (e.g., Allen and Corder, 1975; Stern, 1983).

References should be listed in alphabetical order in the reference list. Examples of referencing different sources are given below:

For articles: Chames, J. & Lieberman, L. (1965). Differences between normal and clinical groups in judging, evaluating and associating needs. *Journal of Clinical Psychology*, 21, 145-156.

For books: Hodges, D.A. & Jackson, H.G. (1983). *Analysis and design of digital integrated circuits.* New York: McGraw.

For chapters: Willis, P. (1983). Cultural production and theories of reproduction. In L. Barton & S. Walker (Eds). *Race, class and education* (pp. 40-43). San Francisco: Jossey-Bass.

For URLs: Johnson, A. (1996). *The changing face of education.* Retrieved from http://www.stemnet.inf.ca/Community/Prospects/V3 n3/tcfoe.htm.

Results and Discussion

Remember to discuss the findings of the paper in order to know the outcome of the work. Remember the 'golden rules': Please do not end a page with a heading; do not start a page with an incomplete line; do not underline any part of the text; do not forget to check the spelling.

Conclusions

Remember to conclude the paper with your findings and preliminary result in order to know the final outcome of the work.

Acknowledgements

You may acknowledge (when appropriate) the organisations who have funded or extended their facilities for doing the research work.

References

Chames, J. & Lieberman, L. (1965). Differences between normal and clinical groups in judging, evaluating and associating needs. *Journal of Clinical Psychology*, 21, 145-156.

Hodges, D.A. & Jackson, H.G. (1983). *Analysis and design of digital integrated circuits.* New York: McGraw.

Johnson, A. (1996). *The changing face of education.* Retrieved from http://www.stemnet.inf.ca/Community/Prospects/V3n3/tcfoe.htm.

Willis, P. (1983). Cultural production and theories of reproduction. In L. Barton & S. Walker (Eds). *Race, class and education* (pp. 40-43). San Francisco: Jossey-Bass.

Approval Certificate

You are required to submit the approval certificate for the purpose of maintaining and publicizing the record of the symposium. The copyright of all contents on your paper is reserved by the author(s) and/or the institution, even if you submit the approval certificate. The sentences on copyright holder(s) and the handling of papers are indicated on every page.

SYMPOSIUM SECRETARIAT

Ngee Ann Polytechnic
535 Clementi Road,
Singapore 599489
Tel: (+65) 6460 6425
Fax: (+65) 6467 7384
Email: isate2017@np.edu.sg

Symposium Venue
The symposium will be held at Ngee Ann Poly Convention Centre, MusicBox, Our Space and Seventy3.

Map to the Convention Centre

PAN ISLAND EXPRESSWAY

Carpark H

Visitor Carpark 3 (Blk 58)

Convention Centre

Carpark L

Blk 51
Blk 54
Blk 53
Blk 52
Blk 72
Blk 71
Alumni Clubhouse
Teaching Hub Blk 56
SIT
Under Construction
Blk 25
Under Construction
Blk 31
Blk 22T
Blk 23
Blk 20
Blk 18
Blk 4
Blk 6
Blk 8
Blk 5
Blk 7
Atrium Blk 1
Field
Bus Stop
Seventy3
Entrance
CLEMENTI ROAD

● Please park at Visitor Carpark 3 (Blk 58) Carpark H/L

Access to Symposium Venue
By Car or Taxi:
30 minutes drive from Changi Airport to Ngee Ann Polytechnic

ORGANISERS

National Institute of Technology, Japan
Nanyang Polytechnic, Singapore
Ngee Ann Polytechnic, Singapore
Republic Polytechnic, Singapore
Singapore Polytechnic, Singapore
Temasek Polytechnic, Singapore
Nagaoka University of Technology, Japan
Toyohashi University of Technology, Japan

ABOUT SINGAPORE

Located in Southeast Asia, Singapore has a land area of about 710 square kilometres. Although small in size, Singapore commands an enormous presence in the world with her free trade economy and highly efficient workforce.

Singapore's population stands at about five million people, with English as the main language of instruction. Living in harmony are four major races — the Chinese, Malay, Indian and Eurasian — with each offering a different perspective of life in Singapore in terms of culture, religion, food and language.

ISATE 2017
SINGAPORE

11th International Symposium on Advances in Technology Education

19-22 September 2017
Singapore

First announcement and call for papers

Hosted By
Ngee Ann Polytechnic

OBJECTIVES OF ISATE

The International Symposium on Advances in Technology Education (ISATE) provides a platform for educators from institutions of higher education to share their knowledge and experiences in practice-based engineering and technology education. Through the Symposium, stakeholders can benefit from sharing innovative teaching methodologies and practices used in schools.

CALL FOR PAPERS

All proposals will be reviewed by the Technical Programme Committee.

Please note that at least one of the authors of the accepted proposals is expected to register and attend the Symposium.

TIMELINE

Please note these key dates:

ACTION	DATES
Abstracts due	8 April 2017
Notification of acceptance	8 June 2017
Paper submission deadline	8 July 2017

ACCOMMODATION

There is a range of hotels available for participants to choose according to their preferences. Transport to the symposium venue will be announced through the website.

THEME

The theme for ISATE 2017 is:
Shaping Competencies for the Future:
Practice-Oriented Education in the 21st Century

The Symposium will accept papers on a wide array of topics. They include:

1. Teaching & Learning that Shapes Graduates with Competencies for the Future
   ◗ Approaches
   ◗ Models
   ◗ Strategies
   ◗ Education Philosophy
2. Harnessing ICT to Shape Competencies for the Future
3. Collaborations in Education to Shape Competencies for the Future
4. Learning Spaces that Shape Competencies for the Future (Examples: smart classrooms, immersive 3D environments and collaborative learning spaces)

ABOUT THE HOST

Inaugurated in 1963 as Ngee Ann College with only 116 students, Ngee Ann Polytechnic is today one of Singapore's leading institutions of higher learning with more than 16,000 full-time students, about 2,000 part-time students and an alumni community of over 130,000.

The Polytechnic offers 49 full-time diploma courses through its nine academic schools and supports Continuing Education and Training (CET) through its CET Academy which offers a wide range of part-time programmes.

http://www.np.edu.sg

PROGRAMME INFORMATION

DATE	EVENTS
19 Sep 2017	Registration & Campus Tour
20-21 Sep 2017	Symposium
22 Sep 2017	Excursion (Optional)

For more information, please check:
http://www.np.edu.sg/isate2017