1st International Conference on Technology and Educational Science

December 2018

BOOK OF PROGRAM
COMMITTEE CHAIR REPORT

Dr. Karlok Suranata, S.Pd., M.Pd., Kons.
General Conference Chair

The Honorable:
Rector Universitas Pendidikan Ganesha
The Honorable:
1. Vice Rector of Universitas Pendidikan Ganesha
2. Dean of Fakultas Ilmu Pendidikan Universitas Pendidikan Ganesha
3. All of The Deans in Universitas Pendidikan Ganesha
4. Vice Deans in Fakultas Ilmu Pendidikan Universitas Pendidikan Ganesha
- Our Keynote Speakers
  Prof. Datuk Dr. Mohd Tajudin Haji Ninggal
  Lt. Kdr. Dr. Abu Yazid Abu Bakar, PhD., M.Ed.
  Prof. Dr. A.A Gede Agung, M.Pd
- Committee, IOS Team coaching clinic trainer,
- Presenters and participants

OM SWASTYASTU
ASSALAMUALAIKUM WR. WB.
SHALOM
NAMMÖ BUDHAYA

Welcome to The 1st International Conference on Technology and Educational Science" which organized by Fakultas Ilmu Pendidikan Universitas Pendidikan Ganesha.

Ladies and gentlemen, as committee chair, I would like to report few things regarding this conference, as follows:

1. The theme of The International Conference on Technology and Educational Science is “Issues and Challenge for Sustainability in the 4th Industrial Revolution”. We have chose this theme because there are many challenges in the 4th Industry revolution that need immediate efforts to get solutions to survive in every dimensions of life.

2. Abstract submission was ended on November 28th, because of the many enthusiasm of academicians, researchers as well as practitioners who want an extension of time, we have extended till 29th November 2018. The amount of abstract submissions is about two hundred titles and was selected by the committee and it turned out to become one hundred and sixty titles. The selected abstract will be published on proceeding indexed by Scopus. *T&C.

3. It is an honor for us to be with you at this conference in which yours valuable contributions will help us to broader our horizon particularly in the field of technology and education.

Ladies and Gentlemen...
This event can be held because of supports and tremendous effort from all of us. As a committee chair let me thank you all, especially to Rector Undiksha, Dean FIP Undiksha, Vice Deans FIP Undiksha, all of the keynote speakers, all of the committee, presenters and the participants.

Finally, please allow me to apologize if there is any inconvenient thing happening during the conference. Please enjoy the conference, may this conference beneficial for all of us.

Thank you...

Om Santih, Santih, Santih Om.
Wassalamualaikum wr.wb

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
Advisory Boards and Committee

Advisory Boards
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7. Prof Dato' Dr. Norazah Mohd Nordin Scopus ID: 6602441085 (Universiti Kebangsaan Malaysia, Bangi, Malaysia)
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12. Assoc. Prof. Dr. Faizah binti Abd Ghani Scopus ID: 56288643400 (Universiti Teknologi Malaysia, Malaysia)
13. Assoc. Prof. Dr. Alwen Bentri, M.Pd Scopus ID: 57198816332 (Universitas Negeri Padang, Indonesia)
14. Izwah Binti Ismail, PhD Scopus ID: 57189838487 (Ungku Omar Polytechnic, Malaysia)
15. Harwati Hashim, PhD ID: 36520976500Scopus (Universiti Kebangsaan Malaysia, Malaysia)
16. Lt Kdr Dr. Abu Yazid Abu Bakar, PhD., M.Ed. Scopus D: 36631428900 (Universiti Kebangsaan Malaysia, Malaysia)
Keynote Speakers

Prof. Datuk Dr. Mohd Tajuddin Haji Ninggal
Universiti Teknologi Malaysia, Malaysia

Lt Kdr Dr. Abu Yazid Abu Bakar, PhD., M.Ed.
Universiti Kebangsaan Malaysia, Malaysia

Keynote Speakers

Prof. Dr. A.A. Gede Agung, M.Pd.
Universitas Pendidikan Ganesha, Indonesia

Coaching Clinic Trainer

Idil, S.Hi, S.Pd,M.Pd,Ph.D, Kons
Universitas Negeri Padang, Indonesia

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
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1. Prof. Dr. Ni Ketut Suarni, M.S.,Kons. Scopus ID: 57202319624 (Dean of Faculty of Educational Science, Universitas Pendidikan Ganesha)
2. Dr. I Made Teguh, S.Pd., M.Pd. (Vice-Dean for Academic Affairs of Faculty of Educational Science, Universitas Pendidikan Ganesha)
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9. Dr.phil. Edo S. Jaya, S.Psi., M.Psi., Psikolog Scopus ID: 55605865400 - Universitas Indonesia, Indonesia

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Scopus ID: 57204544270 (Universitas Pendidikan Ganesha)
Co-Conference Chair
Dr. I Gde Wawan Sudatha, S.Pd., S.T., M.Pd.
Scopus ID: 57203370875 (Universitas Pendidikan Ganesha)
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2. Isnar Bulo Rangka, M.Pd., Kons Scopus ID: 57200986986 (Universitas Indraprasta PGRI - Jakarta)
4. Dr. I Ketut Gading, M.Psi. (Universitas Pendidikan Ganesha)
5. Dr. I Komang Sudarma, S.Pd., M.Pd. (Universitas Pendidikan Ganesha)

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution

6. Drs I Ketut Pudijawan, M.Pd (Universitas Pendidikan Ganesha)
7. Adr. I Wayan I Yuda Sukmana, S.Kom.,M.Pd (Universitas Pendidikan Ganesha)
8. Gede Nugraha Sudarsana, S.Psi M.Pd (Universitas Pendidikan Ganesha)
9. Dewa Gede Agus Putra Prabawa, S.Pd, M.Pd (Universitas Pendidikan Ganesha)
10. Kade Satria Gita Rismawan, S.Pd,M.Pd (Universitas Pendidikan Ganesha)
11. Wyan Eka Paramartha, S.Pd, M.Pd (Universitas Pendidikan Ganesha)

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
Presentation and Support Team

All presentation and support team are students from Guidance and Counseling Department, Educational Technology Department, Early Childhood Teacher Education Department, Elementary Teacher Education Department, Fakultas Ilmu Pendidikan Undiksha and Post Graduate students from Guidance and Counseling & Educational Technology, Pascasarjana Undiksha.

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Ida Ayu Made Diaih Naraswari

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Ni Wayan Anindita Putri

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I Gusti Ayu Agung Krisna Sudewi

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I Gusti Ayu Made Ari Pradnyani
Member
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Anak Agung Edi Wiranata, Putu Edi Sukranata, I.B Ganda Manuaba, I Made Riki Prabawa Putra, I Wayan Arta Mertadi

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Ketut Desi Yani Ratnadi
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Member
K. Sudianing, Ribka Aprilia, Bella Sandi Agustina, I Gede Wana Tapa, Ni Kadek Ayumi Swandevi, Ni Komang Mi

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Koming Rian Triawanawati
Member
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Documentation Division
Coordinator
Gede Kris Smaramanik Dwigji
Member
Ngurah Subangkit, K. Febry Shaputra, Surya Laksana, Wahyu Nandika, Dewa Made Adi Andhika Nida

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
## Important Dates

<table>
<thead>
<tr>
<th>Description</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Abstract Submission Deadline</td>
<td>29 November 2018</td>
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<tr>
<td>Announcement of acceptance</td>
<td>30 November 2018</td>
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<tr>
<td>Full paper submission</td>
<td>20 December 2018</td>
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<tr>
<td>Deadline of Payment for Presenter &amp; Registration attendance</td>
<td>30 November 2018</td>
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<td>Deadline of Payment for Participant</td>
<td>30 November 2018</td>
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<tr>
<td>Camera Ready</td>
<td>04 December 2018</td>
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<tr>
<td>Coaching Clinic</td>
<td>04 December 2018</td>
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<tr>
<td>Conference Day</td>
<td>05 December 2018</td>
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</tbody>
</table>

**Proceeding will be submitted for indexation by:**

- Scopus
- Crossref
- Google Scholar
Focus and Scope

The conference welcomes papers that explore but not limited to the topics of Technology and Educational Science Development: Issues and Challenges for Sustainability in the Fourth Industrial Revolution. The range of the topics covered by ICTES 2018 includes:

- Educational Technology
- Mathematics Education
- Science Education
- Physics Education
- Biology Education
- Chemistry Education
- Science, Technology, Engineering, and Mathematics (STEM) Education
- Counseling and Technology
- Others relevant Fields

Technology in Counseling (TC): Application Technology in counseling. Distance counseling issues, accessibility, anonyymity, technology, asynchronous communication, online security, informed consent, and the challenges of licensure, liability, and regulation within the profession of online counseling.

Trends and Issues in Educational Technology (TIET): Studies of integration guidance and counseling in education, non-formal and continuing education, special needs education, curriculum and educational technology, quality assurance/standards and accreditation, educational management and leadership, policy, legal, and financial issues in education, ICT skills and digital literacy, early childhood education, primary education.

IT-Professional and Vocational Education in Information Technology (IVET): Focus is on the area of professional and vocational education rather than on specific computing curricula in primary, secondary or tertiary educational institutions.

Information Technology in Educational Management (ITEM): Focus is on use of Information technology within the educational management of educational institutions, educational authorities and educational system networks, to enhance educational effectiveness and development.

Informatics and ICT at Higher Education (IHE): The role of both informatics and resulting Information and Communication Technologies (ICT) in higher education.


Informatics and ICT in Secondary Education (ISE): The role of both informatics and resulting Information and Communication Technologies (ICT) in secondary education (age range from 11 to 18 years).

Information and Communication Technologies in Elementary Education (ICTEE): The role of Information and Communication Technologies (ICT) in elementary education (age range from pre-school to 13 years).

Distance Learning (DLe): To consider what is necessary to prepare the whole society for living in the information age, using a distance learning system.


Human Behavior and Information Technology (HBIT): Researches the design and use of computer technology, focused on the interaction between people (users) and computers in counseling context. These include (1) behavioral and social network analysis; (2) research in social media use; (3) design and computer program in counseling; (4) behavioral consequences in interaction between human and IT.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
<th>Speakers/Participants</th>
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<tbody>
<tr>
<td>04.05 - 04.20 PM</td>
<td>Coffee Break</td>
<td>Ulan Sart, Rian Triawan, Dwit Ratnasari, Paradista Putri, Nia Suastari, Sriantni, Anindita Putri, Diah Narawati</td>
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<tr>
<td>04.20 - 06.00 PM</td>
<td>Parallels Session 1 (Sabha Room)</td>
<td>Prof. Dr. I K. Dharsana, M.Pd., Kons Dr. I Komang Sudarma, M.Pd. Dr. I Gde Wawan Sudatha, S.Pd., ST., M.Pd.</td>
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<td>06.00 - 07.00 PM</td>
<td>Keynote Speaker 3</td>
<td>Prof. Dr. I K. Dharsana, M.Pd., Kons Dr. I Komang Sudarma, M.Pd. Dr. I Gde Wawan Sudatha, S.Pd., ST., M.Pd.</td>
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<tr>
<td>07.00 - 07.30 PM</td>
<td>Break</td>
<td>Patu Rahayu Ujiati, M.Psi., Psikolog</td>
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<td>07.30 - 08.45 PM</td>
<td>Parallels Session 2 (Amanta Room)</td>
<td>Prof. Dr. I K. Dharsana, M.Pd., Kons Dr. I Komang Sudarma, M.Pd. Dr. I Gde Wawan Sudatha, S.Pd., ST., M.Pd.</td>
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<td>08.45 - 10.00 PM</td>
<td>Parallels Session 3 (Amanta Hall)</td>
<td>Prof. Dr. I K. Dharsana, M.Pd., Kons Dr. I Komang Sudarma, M.Pd. Dr. I Gde Wawan Sudatha, S.Pd., ST., M.Pd.</td>
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Pararel Session 1
Wednesday, December 5th, 2018
04.20 PM - 06.00 PM (Sabha Room)

Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
Event Schedule
The 1st International Conference on Technology and Educational Science (ICTES) 2018

Wednesday (December 5th, 2018) Coaching Clinic (Sabha Room & Ananta Room)

<table>
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<tr>
<th>TIME</th>
<th>ACTIVITIES</th>
<th>RESPONSIBLE PERSON</th>
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<tr>
<td>08.00-09.00 AM</td>
<td>Registration</td>
<td>Ulan Sari, Rian Trianawati, Ratnasari, Paradista Putri, Suastari, Serianti, Anindita Diah Narawati</td>
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<tr>
<td>09.00-09.15 AM</td>
<td>Opening Ceremony</td>
<td>Dr. Kadek Suranata, M.Pd., Kons</td>
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<td>Lah Putu Putrini Mahadewi, S.Pd., M.S</td>
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<td>- Pray</td>
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<td>- National Anthem of Indonesia “Indonesia Raya”</td>
<td>Lah Putu Putrini Mahadewi, S.Pd., M.S</td>
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<td>- Chair committee speech Season 1</td>
<td>Lah Putu Putrini Mahadewi, S.Pd., M.S</td>
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<td>09.15-10.00 AM</td>
<td>Season 2</td>
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<td>10.00-10.45 AM</td>
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<td>10.45-11.45 AM</td>
<td>Workshop</td>
<td>Dr. Kadek Suranata, M.Pd., Kons</td>
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<td>Lah Putu Putrini Mahadewi, S.Pd., M.S</td>
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Technology and Educational Science Development: Issues and Challenges For Sustainability in the Fourth Industrial Revolution
### Pararel Session II
Wednesday, December 5th, 2018
07:30 PM - 08:45 PM (Amanta Room)

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### Pararel Session III
Wednesday, December 5th, 2018
08:45 PM - 10:00 PM (Amanta Hall)

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51 GS.AB-51 THE EFFECT OF DEMOCRATIC LEADERSHIP STYLE, ORGANIZATIONAL CULTURE AND COMMITMENT ON ORGANIZATION ON LECTURERS’ PERFORMANCE OF STRIP
HAMZANWADI SELONG LOMBOK TIMUR REGENCY
Hary Murcaya, Moch. Asmawi, Madhakomala

52 GS.AB-52 IMPROVING ACTS OF PARTICIPANTS CARE WITH THE GROUP SMALL METHOD DISCUSSION IN MADRASAH ALIYAH KOTA SINGKAWANG
Sugianto Adi Saputra, Rusmono, Marzuki

53 GS.AB-53 Developing Innovative Students’ Assignment Plans Based on Tri Hita Karana Philosophy for Blended Setting
I Made Tegeh, Anak Agung Gede Agung, Ignatius I Wayan Suwanta, Tuh Puhi Patni Mahadewi

54 GS.AB-54 The Policy Implementation of Professional Certification for Vocational High School Graduates
Nuhuruddin, Sugianto, Supadi

55 GS.AB-55 THE EFFECT OF COMMUNICATION AND CREATIVITY TOWARDS HEADMASTER DECISION MAKING IN TAMBOU SELATAN DISTRICT, BEKASI REGENCY
Lina Bika Mayasari

56 GS.AB-56 THE EFFECT OF PEDAGOGICAL COMPETENCE, ATTITUDE TOWARDS PROFESSION AND MOTIVATION ON TEACHERS’ PERFORMANCE
Suhaimi, M. Arafat, Hasbi Sjamir

57 GS.AB-57 SELF-EFFICACY, ACADEMIC ANXIETY, AND SELF-REGULATED LEARNING ON MATHEMATICS ACHIEVEMENT AT VOCATIONAL HIGH SCHOOL
Thamrin, M. Arafat, Buharnadin Tola

58 GS.AB-58 EVALUATION STUDY OF TRAINING PROGRAM FOR DEVELOPING INSTRUCTIONAL MEDIA BASED ON TELEVISION AND RADIO
Zainuddin Nasution

59 GS.AB-59 DEVELOPMENT OF QUALITY OF EDUCATION: STUDY OF EDUCATIONAL OPERATIONAL ASSISTANCE PROGRAMS IN SOUTHEAST SULOWESI
I. Kurniawan, Sahrul, Badjarwan

60 GS.AB-60 The Main Component for Designing Smart Learning for Indonesian Student
Iman Nurjiman, Yudhi Indra Gunawan, Arry Patriasya, Moh Iqbal Firdaus, Titii Rachmi, Nurul Fitria KD, Angger Prima Widiasih, Yenni, Nurgis, Muhammad Akbar Almanar, Nori Anggraini, Eka Yuliyawan Kurniawan, Diah Retno Anggraini

61 GS.AB-61 MORAL VALUES IN THE ORAL TRADITION OF THE BEKESAH PUSPAKRAMA TEXT -(A Structural Review)
Ahmad Turmaiz, Erni, & Niluk Lustiany

62 GS.AB-62 Relationship Between School Leadership Style and Teachers’ motivation with teachers’ discipline
AYU WULANDARI

63 GS.AB-63 RELATIONSHIP BETWEEN MOTIVATION AND JOB SATISFACTION WITH PERFORMANCE
Ahmad Jutut, Hamid Rifki

64 GS.AB-64 School Based Management in Islamic Junior High School
Arum Fatany, Ivan Hanafi, Eliana Sari

65 GS.AB-65 THE INFLUENCE OF ORGANIZATIONAL CULTURE, ORGANIZATIONAL STRUCTURE AND WORK ENVIRONMENT ON LECTURERS’ BEHAVIOR AT TRISAKTI TOURISM COLLEGE
Safrodin, Thamrin Abdullah, Muchlis R. Luddin

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