Editorial

International Conference on Advanced Information Scientific Development (ICAISD) 2020

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International Conference on Advanced Information Scientific Development (ICAISD) 2020 was organized by Universitas Bina Sarana Informatika.

It was held in BSI Convention Center, Bekasi, West Java, Indonesia, event held by the Institute of Research and Community Service (LPPM) of Universitas Bina Sarana Informatika on August 6-7, 2020. ICAISD 2020 is an International Conference for sharing knowledge and research in Computer and Information Science and providing a platform for researchers and practitioners from both academia as well as industry to meet and share the cutting-edge development of Computer and Information Science research. The theme that we raised in this international seminar is: "Scientific Information for Living Welfare".

The background of the theme selection is related to the rapid development of science and technology in the 21st Century that has contributed to change or renewal in various fields of life, including Applied Science, Management and Artificial Intelligence. This form of activity takes the form of scientific seminars or international conferences that are held virtually or webinars consisting of plenary lectures and oral presentations. The target participants are practitioners in the field of Information Technology and Management from academics (lecturers, researchers, and students) as well as practitioners and industry as a mean of socializing progress and development in the field of Information Technology and Management to increase their understanding and use for stakeholders on national and international scale. In addition, through this conference, the participants can develop research networks and collaboration with research partners in the field of information technology and management in Indonesia and researchers from abroad.

In connection with this theme, we present four speakers as the main speakers, namely Prof. Ir. Zainal Arifin Hasibuan, MLS, Ph.D (General Chair of APTIKOM Indonesia), Prof. Dr. Gerhard Willem Weber (Poznan University of Technology, Poland), Prof. Dr. Dorien De Tombe (Delft Technical University, the Netherlands), and Prof. Dr. Herman Mawengkang (Universitas Sumatera Utara).

The committee received 214 papers via easychair.org as well, with details of 145 papers received. Of the 145 papers 65 papers in Applied Science, 28 Papers in Management and 52 papers in Artificial Intelligence.

We organized this conference virtually as follows:

The location of the ICAISD-2020 Conference was virtually using the Zoom Meeting

Topic: UBSI ICAISD 2020 "SCIENTIFIC INFORMATION FOR LIVING WELFARE" (Part 1)
Time: Aug 6, 2020 09:00 AM Bangkok

Join Zoom Meeting
https://zoom.us/j/7326877081?pwd=TVFOR1E2YlZEUFR5Q0h5NXlEIK1pKQT09
While the off-line event specifically for the Committee was held at the BSI Convention Center, Bekasi, West Java, Indonesia. The implementation began with the delivery of the schedule by the MC and was opened by the chairman of Aptikom (Association of Computer and Informatics Higher Education) Prof. Zainal A. Hasibuan and continued with remarks from the Rector of Universitas Bina Sarana Informatika, Dr. Mochamad Wahyudi, MM., M.Kom, M.Pd.

Figure 1. Welcoming Remarks from Rector of Universitas Bina Sarana Informatika

**Plenary of Each Speaker**

The keynote speakers each delivered 45 minutes of seminar material through Zoom Meetings in their respective places. As in the following table:

**ICAISD 2020**

**INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SCIENTIFIC DEVELOPMENT**
MEETING ID : 732 687
7081

PASSCODE :
ICAISDBEST

JAKARTA , 6 AGUSTUS 2020

| TIME    | EVENT                                                                 | Screen | FOH | DESCRIPTION |
|---------|------------------------------------------------------------------------|--------|-----|-------------|
| 09.00.0 | Registration                                                           | Music  |     | Play        |
| 09.15.0 | VIDEO OPENING                                                          |        |     |             |
| 09.18.0 | PRAY TO GOD Session                                                   |        |     |             |
| 09.18.0 | Insert MC 1 - Opening, Introducing, Present (Mr Agus & Mrs Cicih)     | Live   | Mic MC | Welcome Remark |
| 09.28.0 | BUMPER                                                                |        |     |             |
| 09.28.3 | Insert MC 2 - Sing Together, The National Anthem Of Indonesia          |        |     |             |
| 09.29.0 | INDONESIA RAYA                                                        |        |     |             |
| 09.29.0 | Insert MC 3 - Welcome Speech by Rector                               | Live   | Mic MC |             |
| 09.29.0 | BUMPER IN                                                             |        |     |             |
| 09.41.1 | RECTOR SPEECH                                                         |        |     |             |
| 09.41.1 | Insert MC 4 - Opening Remark by Head Of LLDIKTI 3 (APTIKOM *)          | Live   | Mic MC | Audience sdh dudukembali |
| 09.42.1 | BUMPER IN                                                             |        |     |             |
| 09.42.1 | APTIKOM + OPENING                                                     |        |     |             |

" Scientific Information For Living Welfare "
| Time    | Details                                                                 |
|---------|-------------------------------------------------------------------------|
| 09:56:1 | BUMPER OUT                                                              |
| 09:56:3 | insert MC 5 - Invite Keynote Speech 1                                   |
| 09:57:0 | BUMPER PROFILE KEYNOTE SPEECH 1 (Prof. Ir. Zainal Ariffin Hasibuan, MLS., Ph.D) |
| 09:58:0 | Keynote Speech 1 (Prof. Ir. Zainal Ariffin Hasibuan, MLS., Ph.D)      |
| 10:43:0 | BUMPER Out                                                              |
| 10:43:4 | insert MC 6 - Invite Keynote Speech 2                                   |
| 10:44:4 | BUMPER PROFILE KEYNOTE SPEECH 2 (Prof Dr Herman Mawengkang)            |
| 11:29:4 | Keynote Speech 2 (Prof Dr Herman Mawengkang)                           |
| 11:59:4 | insert MC 7 - Q&A Session 1                                             |
| 12:59:4 | BUMPER Out                                                              |
| 13:00:0 | PARALLEL SESSION (10 Classroom) Chapter 1                               |
| 15:00:0 | BUMPER                                                                  |
| 15:10:1 | Music Play                                                              |
| 15:10:4 | insert MC 9 - Invite Keynote Speech 3                                   |
| 15:11:4 | BUMPER PROFILE KEYNOTE SPEECH 3 (Prof Dr Dorlen De Tombe)              |
| 15:11:4 | Keynote Speech 3 (Prof Dr. Dorlen De Tombe)                            |
| 15:56:4 | insert MC 10 - Invite Keynote Speech 4                                  |
| 15:57:0 | BUMPER PROFILE KEYNOTE SPEECH 4 (Prof Gerhard W. Weber)                |
| 15:58:3 | Keynote Speech 4 (Prof Gerhard W. Weber)                               |
| 16:43:3 | BUMPER Out                                                              |
Figure 2. The material delivered by Keynote Speaker: Prof Zainal A. Hasibuan (Head of APTIKOM)
Figure 3. The Presentation of Keynote Speaker: Prof Zainal A. Hasibuan (Head of APTIKOM)

Figure 4. The Material delivered by Keynote Speaker: Prof. Dr. Herman Mawengkang (Universitas Sumatera Utara)

Figure 5. The Material delivered by Keynote Speaker: Prof. Dr. Dorien De Tombe
The questions asked by the participants for the keynote speaker were presented in two ways:
1. Through the chat room zoom meeting addressed to the committee to be conveyed to the keynote speaker.
2. Ask directly through zoom using the unmute feature by informing the committee in advance with the raise hand. Direct submission of questions is limited to a maximum of 5 questions for each keynote speaker.

The committee gave 15 minutes for each question session.
• The participants: location and the overall attendance number expected.

Of the 148 articles received, 145 article authors uploaded the presentation file and revision file from the author and then presented it on 6 and 7 August 2020. One of the authors of the article represented each article title in the presentation. All participants presented their research results for approximately 15 minutes per article which was divided into 10 rooms (online parallel sessions) which were assessed by the reviewer in each zoom room to determine the best presenter in each zoom room as attached to the schedule.

**LIST OF SPEAKERS**

| Room | 1 |
|------|---|
| Category | Applied Science |
| Moderator | Mr. Jimmi |
| Invite Link | [https://zoom.us/j/8244410030?pwd=QjRTV3RTNWioM2UzMHM4a0xL0WYuQT09](https://zoom.us/j/8244410030?pwd=QjRTV3RTNWioM2UzMHM4a0xL0WYuQT09) |
| ID Meet | 824 441 0030 |
| Password | ICAISD01 |
| Durasi | 15 Minutes/ Team |
| Total Durasi | 225 Minutes |

| Room | 2 |
|------|---|
| Category | Applied Science |
| Moderator | Mrs. Rizky Mirani Desi Pratama |
| Invite Link | [https://zoom.us/j/6640421517?pwd=NW5VTrZ3bFOZCrxMU1pWmdRSlleT09](https://zoom.us/j/6640421517?pwd=NW5VTrZ3bFOZCrxMU1pWmdRSlleT09) |
| ID Meet | 664 042 1517 |
| Password | ICAISD02 |
| Durasi | 15 Minutes/ Team |
| Total Durasi | 225 Minutes |

| Room | 3 |
|------|---|
| Category | Applied Science |
| Moderator | Mr. Ary Iswanto Wibowo |
Invite Link: https://zoom.us/j/3749365742?pwd=OXYwdBlU1gwSUJnZiFncUFJ3JgrQT09
ID Meet: 374 936 5742
Password: ICAISD03
Durasi: 15 Minutes/ Team
Total Durasi: 225 Minutes

Room: 4
Category: Applied Science
Moderator: Miss Retno Rahayuningsih

Invite Link: https://zoom.us/j/5633927839?pwd=OFhhVHhsRUxYVH1Z3yOGhORnnFCZ09
ID Meet: 563 392 7839
Password: ICAISD04
Durasi: 15 Minutes/ Team
Total Durasi: 225 Minutes

Room: 5
Category: Artificial Intelligence
Moderator: Mrs. Wiruma Titian Adi

Invite Link: https://zoom.us/j/932135544?pwd=STV2WmZKUE5NhUTyamdCM0NJRmFCZ09
ID Meet: 932 135 544
Password: ICAISD05
Durasi: 15 Minutes/ Team
Total Durasi: 225 Minutes

Room: 6
Category: Artificial Intelligence
Moderator: Miss Dwi Puji Hastuti

Invite Link: https://zoom.us/j/2509617265?pwd=WS95jzDR0t85VMlxMExdZl0tUcUHdz09
ID Meet: 250 961 7265
Password: ICAISD06
Durasi: 15 Minutes/ Team
Total Durasi: 225 Minutes
Room : 7
Category : Artificial Intelligence
Moderator : Mr. Octa Pratama Putra

Invite Link : https://zoom.us/j/3913326231?pwd=bHLyWEZcbFBaNTNvRC9tU2RBVXhhZz09
ID Meet : 391 322 6231
Password : ICAISD07
Durasi : 15 Minutes/ Team
Total Durasi : 225 Minutes

Room : 8
Category : Applied Science, Artificial Intelligence, Management
Moderator : Mrs. Yanti Rosalinah

Invite Link : https://zoom.us/j/9196551907?pwd=MnYpbGRCTYB0cDwTIF0Z292eZiUT09
ID Meet : 919 655 1907
Password : ICAISD08
Durasi : 15 Minutes/ Team
Total Durasi : 195 Minutes

Room : 9
Category : Management
Moderator : Mr. Sayyid Khairunnas

Invite Link : https://zoom.us/j/9288890197?pwd=MmdUUjhDtv9mWGJWSTFdcThXY1R6QT09
ID Meet : 928 889 0197
Password : ICAISD09
Durasi : 15 Minutes/ Team
Total Durasi : 225 Minutes

Room : 10
Category : Management & Applied Science
Moderator : Mrs. Titi Dewi Rohati

Invite Link : https://zoom.us/j/3856170963?pwd=Vn52WW1FRhM7a3dPVzhRRTV4L0F5UT09
ID Meet : 385 617 0963
Password : ICAISD10
Durasi : 15 Minutes/ Team

Total Durasi : 195 Minutes

The Zoom Meeting application can support the ICAISD seminar to run smoothly due to travel restrictions by the Government due to the Covid-19 pandemic, so that meetings involving many people cannot be held. The zoom meeting application makes it easy to meet virtually without limiting certain areas so that the ICAISD seminar can run smoothly.

Technical obstacles in the implementation of the ICAISD-2020 conference were usually problems from participants who cannot display the presentation file, but because participants have sent / uploaded the presentation file (ppt/ pptx) previously via the icaisd.info page, the committee can help display the presentation files of the seminar participants.

The positive side of the implementation of seminars is that participants and keynote speakers can deliver seminar material without holding a meeting because the Covid-19 pandemic will make it easier for participants far away from Bekasi, West Java, Indonesia. Therefore, that it can be efficient in terms of time and travel.

This conference can be held due to the assistance of various parties. For this reason, on this occasion, we would like to thank the Rector of Universitas Bina Sarana Informatika and staffs, the Dean, the Head of the Study Program, the Head of Technology Bureau, the Head of Communication Marketing and his staffs, Advisors, Program Committee Chairs, Executive Chairs, Chair of Committee, and Co-Hosts who have participated in this conference.

Our highest appreciation is also extended to all the Organizing Committee Chair who have worked hard for the success of this conference. We are aware that there are still many shortcomings in organizing this seminar in presenting events, administrative services, and limited facilities. For that, we apologize profusely. Through this opportunity, we invite conference participants to join again in the 2nd ICAISD conference in 2021 next year. Finally, I hope that all conference’s participants who attend this conference will have many benefit and useful things from this conference.

Jakarta, August 27, 2020
Chairman,

Taufik Baidawi