



## IEEE Indonesia Section Newsletter

**“Arnold Ph. Djiwatampu** won the IEEE ComSoc. Award for Public Service in the Field of Telecommunications for 2017”

### Monthly Newsletter

**No. 06, October 2017**

We welcome all the readers for the 6th edition of our newsletter. This newsletter is from us to us and hopefully it is useful for all Indonesian IEEE members. We hope that the article can inspire you and the changes also the additions that are made in the newsletters will be liked by all of you.

Welcome!

#### IEEE WISHY CONGRESS

Reported by Kurnianingsih  
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IEEE Day is a global event to be held on the first Tuesday of October annually, celebrating the first time in history when engineers worldwide and IEEE members gathered to share their technical ideas in 1884. IEEE Day 2017 is a way to celebrate the IEEE's mission of advancing technology for humanity. IEEE Day's theme is: “Leveraging Technology for a Better Tomorrow”. While the world benefits from what's new, IEEE focuses on what's next.

Worldwide celebrations demonstrate the ways thousands of IEEE members in local communities join together to collaborate on ideas that leverage technology for a better tomorrow. The IEEE Day team is made up of student volunteers, young professionals, and staffs. The principle task of the IEEE Day team is to initiate, motivate, and coordinate events and efforts to celebrate this day worldwide. In addition to a enjoyable time and empowering members to engineer the future and beyond, the team actively supports members and volunteers.

In order to celebrate IEEE Day 2017, IEEE Indonesia Section organized “The 1st IEEE Indonesia WISHY Congress 2017”. The WISHY Congress covers Women in Engineering, Industry, Students, Humanitarian, and Young Professionals. The theme of the WISHY Congress is “Technology for Quality of Life”.



The WISHY Congress was held inline with “The 6th IEEE International Conference on Communication, Networks and Satellite (COMNETSAT 2017)” On Thursday, October 5, 2017 at 5\* Gumaya Tower Hotel, Semarang, Indonesia.

The objective of the WISHY Congress is to develop individuals as well as community, enhance skills, share experience, which in turn will empower IEEE's larger mission towards a better tomorrow. We plan to encourage further involvement of women in engineering, entrepreneurship, research based culture and also shed light into the balance of socioeconomic factors together with technological development, equal access to resources throughout the region which in turn will have a direct impact to the positive development of IEEE. We need to spark that thought in young minds which will make them thinking about the possibilities in hand and make sure they make full use of the resources at their disposal. Starting a change is easier than continuing it in the long run. That's why we focus on achieving a lasting change in areas we see fit.

The WISHY Congress is sponsored by IEEE Indonesia Section, IEEE Headquarters Young Professionals, and IEEE Region 10 Asia Pacific Industry Relations. The scope of the congress covers Women in Engineering,

Industry, Student, Humanitarian and Young Professional (WISHY).

The joint events “WISHY Congress and COMNETSAT 2017” has been a precious moment to meet representatives convening from all over the world to start building the future IEEE with a great passion. The joint event was attended by 150 attendees in the opening ceremony which comprises 85 attendees of WISHY Congress and 65 attendees of COMNETSAT 2017. The 85 attendees of WISHY Congress comprise 46 IEEE members and 39 non IEEE members (attendance report as attached). IEEE Region 10 Director (Prof. Kukjin Chun), IEEE Indonesia Section Chair (Prof. Fitri Yuli Zulkifli), and General Chair of WISHY Congress (Kurnianingsih) delivered a welcoming speech at the opening ceremony. Continued with group photo and IEEE Day Cake cutting to celebrate the IEEE Day 2017.

Thinking about the breadth and the depth of the IEEE activities, how they impact in the innovation, the economy, the society, and the humanity. Independence, quality of life is familiar and comfortable surroundings; these are goals of human being. Through the application of science and technology these goals may be achieved. Finally, technology is contributing to our happiness.

The Congress would be the fuel for the passion of our volunteers and will warm up their open hearts to continue in their efforts for the benefit of the entire humanity. The WISHY Congress is a unique opportunity to see all IEEE activities that has been developed and experimented to nurture members and volunteers as well as to build the technical community, a unique opportunity for

networking among the leaders. Having in mind the benefit of humanity through valuing and respecting all diversities and the richness of our community, there are 4 tracks of parallel session on the WISHY Congress as follows:

- Track 1: Women in Engineering and Humanitarian
- Track 2: Young Professionals and Students
- Track 3: Industry Relations and Young Professionals
- Track 4: Students and Young Professionals



Finally with 9 speakers and 4 parallel sessions in this congress, we do hope that all participants of the WISHY Congress will enjoy the meeting, the talks, the panels, the various events, sharing ideas, and networking. We listened to many experts of the various activities that are beneficial for the members and volunteers as well as the entire scientific and professional community. We met many friends and made new ones. We established and reinforced collaborations. We discussed ideas and opportunities for the future.

## IEEE COMSOC. AWARD FOR PUBLIC SERVICE IN THE FIELD OF TELECOMMUNICATIONS 2017

Reported By Henri Uranus,  
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*Arnold Ph. Djiwatampu won the IEEE ComSoc.  
Award for Public Service in the Field of  
Telecommunications for 2017*

Every year, IEEE Communications Society honors persons who have outstanding contributions to the development of communications. There are 3 categories of ComSoc Awards: 5 awards in the category of Career Awards, 4 awards in the category of Service Awards, and 12 awards in the category of Paper Awards.

One of the Career Award is The IEEE Communications Society Award for Public Service in the Field of Telecommunications. This award is bestowed yearly to a person who has shown major contributions to the public welfare through work in the field of telecommunications. The award is based on nomination by an IEEE member, supported by 2 references, and judged by IEEE ComSoc Awards Standing Committee.

The IEEE Communications Society Award for Public Service in the Field of Telecommunications for 2017 was awarded to an IEEE Indonesia Section's life senior member, Arnold Ph. Djiwatampu for his dedicated service

as the founding Director of the ITU Bureau for Telecommunications Development (BDT).

Mr. Djiwatampu was the Deputy Head of Indonesian delegation to the ITU (International Telecommunication Union) who proposed a restructuration of the organization in The ITU Plenipotentiary Conference (PP) 1989 in Nice, France. The proposal was supported by almost all developing countries in the Conference. His proposal for an effective and strong ITU was adopted unanimously by the Additional PP in 1992 in Geneva, where he was elected by majority voting as the first Director of a new bureau, the ITU Bureau for Telecommunications Development (BDT), Geneva. He held his office from 1 February 1993 until 31 December 1994. During this period, he obtained inter alia the private sector's trust for partnership in the Development activities in assisting developing countries, breaking the ITU's image of a bureaucratic institution in assisting the developing countries. Until now, in his age of 77, Pak Dji, as IEEE officers always called him, still contributes as an IEEE volunteer by taking role as a member of the Advisory Committee of IEEE Indonesia Section.

IEEE Indonesia Section congratulates Arnold Ph. Djiwatampu for such prestigious award, thanks Arief H. Gunawan (member of IEEE Indonesia Section Advisory Committee) for proposing Arnold Djiwatampu for this award, and Rina Pujiastuti (The IEEE Indonesia ComSoc Chapter chair) for officially nominating him.

## NATIONAL SEMINAR ON APPLICATION OF TELEMATICS (SINAPTIKA)

Reported By Dr. Devi Fitriana, S.Kom., MTI  
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Starting the new millennia, the world has come to the fourth revolution era marked by the digitalization era in almost all aspects of life. One of the impacts of the digitalization is the abundance of data and information. Recent studies stated that there are no less than 25 quintillion bytes of data is generated per day. The volume of daily data production is equal to 530,000,000 songs, equivalent to 150,000,000 iphone, the size of 5 million laptops. The abundance of this data, along with its opportunities, also causes many negative impacts. Regarding to this particular issue, Faculty of Computer Science at the Universitas Mercu Buana Jakarta, brought up the theme of "The Role of Information Technology in Addressing Opportunities and Challenges of Information Abundance" in the National Seminar on Application of Telematics (SINAPTIKA) held on 4 October 2017 until October 7, 2017 at Universitas Mercu Buana Campus. SINAPTIKA is an annual event held by the Faculty of Computer Science Universitas Mercu Buana, and this year, it is the eighth seminar started from 2009.



Keynotes speakers and participants come from diverse backgrounds including government, academics, industry practitioners, researchers and community activists of ICT. Geographically, participants come from various provinces in Java, Sumatera and Kalimantan. Present as a Keynote Speaker was Dr. Ismail Cawidu from Directorate General of The Ministry of Communication and Information, while other keynotes are Prof. Dr. Fitri Yuli Zulkifli (IEEE Indonesia Section Chair), Dr. Eng. Ayu Purwarianti, ST, MT (Head of Informatics Engineering, ITB), Agus Sutiawan, CISA, PMP, CISM (Head of Information System Division, PT PLN (Persero)), Onno W. Purbo (Leader and Expert in Information Technology), Irving Hutagalung (Audience Evangelism Manager, Microsoft Indonesia).



It is expected that from this seminar, we can provide many benefits in the knowledge and experience sharing for the all the faculty members and others thus we can exchange ideas that ultimately lead to positive contributions respectively in the field of Information and Communication Technology.

## ONE DAY WITH IEEE SPS CHAPTER

Reported By Evander Christy  
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IEEE Student Branch (SB) Telkom University celebrates IEEE Days event by creating seminar with the speakers from IEEE Signal Processing Society (SPS) Indonesia chapter. This event was held in GKU 3 building, multimedia 2<sup>nd</sup> floor, Telkom University on 3<sup>rd</sup> October 2017.

The first speakers are Mr. Donny Danudirdjo, S.T, M.T, Ph. D and Mr. Rizki Putra P, S.T, M.T with the title of the research is "Implementation on FMCW Radar System". Second speaker is Dr. Antonius Darma S., S.Si., M.T with the title of the research is "Designing Radar System and Radar Signal Processing". Third speaker is Dr. Hugeng, S.T., M.T with the title of the research is "Implementation of 3D Interpolation of HRTF's Model Using PCA in Syntethizing Spasial Sound ". The last speaker is Dr. -Ing Fiky Y Suratman as chair of IEEE SPS Indonesia, Mr Fiky present the research with the title is "Signal Detection: Spectrum Sensing Implementation for Cognitive Radio".





This event was attended by students, academia, and also from industry. The attendees look so enthusiast while the radar demonstration is beginning to detect the object in coverage area. Photo session with all of the audiences, committee, and also speakers was held at the end of the seminar. **“Technology made large populations possible; large populations now make technology indispensable”**. - Joseph Krutch.

## THE FIRST INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND INFORMATICS 2017 (ICELTICS 2017)

By: Kahlil Muchtar, Ph.D. (Publication Chair of 1st IEEEICELTICS)

Syiah Kuala University in collaboration with IEEE Indonesia Chapter has organized the 1st International Conference on Electrical Engineering and Informatics 2017 (ICELTICS 2017). It was held on October 18-20, 2017, in Banda Aceh - Indonesia. ICELTICS provides an excellent forum for sharing knowledge and research findings among academicians,

professionals, and governments. The primary goal of ICELTICS is to enhance the dialectical connectivity among researcher, practitioners, and academicians through discussion, exchange, and sharing on the latest research and innovations in Electrical Engineering and Informatics. The first day started with an Opening Ceremony by speech from Dr. Ramzi Adriman as the chair of ICELTICS 2017. We're also excited to have welcome remarks and inauguration of IEEE Student Branch Unsyiah from Prof. Fitri Yuli Z (Chair of IEEE Indonesia Section). It then continued with outstanding first keynote speech from Prof. Dr. Hitoshi Kiya (Tokyo Metropolitan University, IEEE Fellow Member) with the theme “Signal Processing-Friendly Encryption for Social Networking and Multimedia Cloud Computing”.



The oral presentation of accepted papers is divided into 11 parallel sessions (in two days). The first day ended with a magnificent gala dinner that performed Saman Dance which is one of the most popular traditional dances in Indonesia and also part of UNESCO world heritage. In the second day, keynote speech 2 was given by Prof. Ir. Dr. Mohd Rizal bin Arshad about “Swarm Robotics – concepts and its potentials”. Both of keynote speakers were delivered insightful and inspiring

speeches, and led the audiences to be familiar with recent trend of researches. At the closing ceremony, we were proud to give three as the best papers award to Athanasios Maimaris (Cyprus College & EUC Research Center, Cyprus), Viska Mutiawani (Unsyiah, Indonesia) and Arnold Wibowo (UPH, Indonesia).



In the last day, one-day city tour was arranged for both participants and committee. They enjoyed visiting Masjid Raya Baiturrahman, Aceh Tsunami Museum and other historical sites in Banda Aceh. ICELTICs 2017 was successfully organized; abundant thanks for everyone and we hope see you again in 2nd ICELTICs 2017.

## PROMOTE IEEE FOR STUDENTS AT IEEE SB UNSYIAH

By: Hendrik Leo (IEEE SB Unsyiah)

Knowledge about the benefit of IEEE Student Member at Syiah Kuala University are still low. There were also so many student member of IEEE SB of Syiah Kuala University that don't know what kind of IEEE Student

member activity and its benefit. IEEE SB Unsyiah has been trying to improve student knowledge about IEEE.



IEEE SB Unsyiah held General Lectures: "IEEE at Glance and its Progress in Indonesia" (Kuliah tamu: Sekilas IEEE dan Kiprahnya di Indonesia) on 18th October 2017 at electrical engineering auditorium, Faculty of Engineering, Syiah Kuala University – Banda Aceh. This event attended by non IEEE student members and IEEE Student Branch members. This event is expected to inspire non-members to join IEEE member and to deliver an insight to all participants.

This was led by Norfan Khalil from IEEE SB member of Syiah Kuala University as moderator, continued with greetings from Dr. Khairul Munadi, S.T., M.Eng as IEEE SB Counselor of Syiah Kuala University. The speaker of the general lecture was Prof. Dr. Fitri Yuli Zulkifli, S.T., M.Sc as IEEE INDONESIA SECTION CHAIR. The general lecture concerned on discussing about the definition of IEEE, IEEE R-10, until IEEE INDONESIA section and the benefit of became IEEE student member.



The Lecture was continued with Q&A session. Hopefully this event can inspire students to join IEEE membership and take all of the benefits.

## CONFERENCE NEWS

Here is the conference info which is sponsored by IEEE Communications Society Indonesia Chapter to be held next:

Conference Name	Website
<b>WPMC 2017</b> December 17 -20, 2017 Yogyakarta, Indonesia	<a href="http://wpmc2017.org/">http://wpmc2017.org/</a>

More information about IEEE conferences technical co-sponsored by Indonesia Section or by chapters in Indonesia can be found in link:

<http://ieee.id/conference-list/>

## EDITOR

The 6th edition of the IEEE Indonesia Section 2017 newsletter includes activities which have been conducted in October 2017. The first article is news about a great event for the celebration of IEEE Day 2017, which was organized together with the 1st IEEE Indonesia WISHY Congress 2017 and IEEE COMNETSAT 2017. The second article is great news from Mr. Arnold Ph. Djiwatampu about winning the IEEE ComSoc. Award for Public Service in the Field of Telecommunications for 2017, a big congratulations for him! We have articles and other information that is also interesting. Hope you enjoy this newsletter edition!

Happy reading!

Casi Setianingsih & Hugeng,  
Editor - IEEE Indonesia Newsletter

Official Website

**<http://ieee.id>**

IEEE Indonesia Section

We are waiting for the participation of Chapters and Student Branch in Indonesia to share the information of completed and ongoing activities and the participation of Chapters in Indonesia to share the regarding technical articles. For members IEEE who want to share information and articles please email to :

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