MESSAGE FROM THE PROGRAM DIRECTOR

It's quite the gloomy afternoon, I guess due to the weather, but I hope that wherever you are located, you've had an enriching experience with our fifth UA&P IT conference. Now I'm probably the one keeping everybody from going on to their next appointment so the like but I promise you if you can indulge me with a few minutes from like you go sooner. Now let me try to toggle a little bit here and see if I can share some screens case. Okay and what I want to start off with this the struggle is real okay. We know that you've heard this cliché from many people nowadays. The younger generation has been saying this to describe the difficulties that in hindsight everybody would face anyway right. All of us you and I we're all struggling definitely in whatever situations we find ourselves in now. Especially now this statement the struggle is real is quite pertinent with the current pandemic of affecting us as you have noticed even how we've run our fifth conference was not spared from this struggle being real right. Shifting from its traditional format that is having a mass gathering of researchers' presenters and discussing their points face to face and moving all of that into an online format. But allow me to share by way of closing the event two aspects of this statement the struggle is real that everyone can take away with them as we finish the conference.

The first and perhaps more obvious angle of that statement is that all of us were all faced with various types of struggles without exception. It is from these struggles and challenges that fueled of the initial spark of how we conduct research in whatever field or discipline us find ourselves in now. Without these challenges these issues these struggles research well cannot properly begin. Now I'd like us to move away from that romanticized view of research ok typically denoted in science fiction movies you know books literature as something hyphaluted ok into a more genuine view of research that is really grounded in realism ok. Granted there are some science fiction authors for example you have Isaac Asimov and if you're familiar with his three laws okay in the story I Robot that actually paved the way on how we've done a tempered approach to artificial intelligence. But even authors like Asimov I would say understood that advances in science and technology cannot be divorced from the transcendent reality of the human person the human community the society where we live in. Yes the struggle is real and our research has to be real. It has to be realistic.

Now the second angle that I'd like to talk about is that doing research actually has its own peculiar struggles right. The struggle of doing research is real and I'm sure our esteemed panelists and definitely our presenters this afternoon know what I'm talking about. For those

of us who've been doing this sometimes we do this to fulfill some academic requirement but we understand that research should go beyond mere compliance.

Again taking off from an earlier point I'd like us to move away from that romanticized view as I've mentioned of looking for fantastic or grandiose results in all research and divergence. Now if your project my project we've been able to come up with amazing results then good for us definitely good for everybody else because we can actually say that the research that we've been doing will create impact a huge significant impact to society at large. But we should not be constrained to the idea that all research must yield amazing results before we can say that we've actually done on honest research and in fact I would perhaps offer my personal definition of research as the pursuit of purposeful improvement publicized. So I repeat that no research as the pursuit of purposeful improvement publicized so as long as you can demonstrate that improvement big or small doesn't really matter it's an improvement that has not been shown previously on a public forum and it's an improvement that was purposeful meaning. It actually followed a certain rigorous accepted framework then that is research. Everybody yes because that's that the struggle is real then that research has to be really realistic then let's get real.

We should be running to the fire and not running away from it and that's not the heart of research and it is only then that we can actually reap the rewards of research. Now before I close out I know Mr. Deocaris has already mentioned this in his pre-recorded video but I'd like to express my heartfelt gratitude to all of our presenters our panelists to our keynote speaker earlier Mr. Allan Borra to the IST digital team. So this is a team the technical team in my department that takes care of all the logistics for for this webinar that we're having right now. Definitely with collaboration with CRC Remy de Leon and to all the organizers headed by the conference chair Mr. Rommel Deocaris. Now as you know with the fifth conference it only got tougher and tougher you know I mean when we were doing it's the first time around then maybe years ago okay we were a little bit relaxed. You know we were allowing a certain tolerance for error but this is the fifth time around and you know we weren't really lucky to actually have the pandemic be at the forefront of the current conference so I know it hasn't been easy but I do hope I sincerely hope that everyone had a great time with us this afternoon. Okay uh with the authority vested in me by the University of Asia and the Pacific I hereby officially close the fifth international research conference on emerging IT trends in Asia and the Pacific see you all on the sixth conference later in the year thank you again and stay safe.

Cyrus Paolo Buenafe
Program Director, Information Science and Technology

MESSAGE FROM THE CONFERENCE CHAIR

Thank you for your participation in the 5th International Research Conference.

I believe that after today, we have a better understanding of what research is all about. Research is all about new learning. Research is all about improving lives.

I would like to thank the Plenary Chairs for sharing their time despite their busy schedule in evaluating the research and entries of the participants.

I would like to thank the MCs for their effort in ensuring a good program flow.

Lastly, I would like to congratulate all of the research participants for taking part in the ITRC 5. See you in the 6th International Conference!

God speed!

Rommel H. Deocaris
Conference Chair, International Research Conference

UA&P SCHOOL OF SCIENCES AND ENGINEERING

The School of Sciences and Engineering (SSE) aims to form its students into Renaissance scientists and engineers with a unique portfolio of knowledge, abilities, skills and habits, ensured by the University's long standing tradition in the liberal arts.

UA&P's pioneers saw the need to humanize the sciences and engineering, both of which experienced rapid technological growth at the turn of the century. The sense of the transcendent – of the 'beyond what is apparent' – was lost on the way and such loss led to greater materialism. Today's engineers and scientists may have effective models to earn points or invent things, but all at the cost of ethical conduct. The School of Sciences and Engineering aims to address that.

SSE confers the following degrees:

- Bachelor of Science in Data Science
- Bachelor of Science in Industrial Engineering
- Bachelor of Science in Information Technology
- Master in Information Technology

Departments under the School

- Department of Engineering
- Department of Information Science and Technology
- Department of Mathematics
- Department of Natural Sciences

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

Construct mathematical models of real-world situations.

The Applied Mathematics Program provides students with an integral and relevant professional training. It aims to prepare them to become a highly competent and liberally educated mathematician who can construct mathematical models of real-world situations to aid in decision-making and effectively communicate the results of their research.

The BS Applied Mathematics Program rests on a strong liberal arts foundation and is directed towards an understanding of mathematical theories and their application to different fields of study. Emphasis is placed on precision of definition, reasoning to arrive at accurate conclusions, and analysis and formulation of solutions to problems using mathematical principles.

CURRICULUM

Unlike other similar programs in other universities, UA&P's BS Applied Mathematics Program is flexible enough to allow students to study their chosen fields of application such as actuarial science, mathematical finance, operations research, biological and social sciences, statistics, computer science, systems analysis, risk, consulting, decision, control and possibly a combination of these. This undergraduate degree provides an excellent basis for graduate work in applied mathematics of computer science, or for employment in the math-related fields mentioned.

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Become a Renaissance engineer.

The BS Industrial Engineering Program is a 5-year program envisioned to produce engineering professionals who can plan, design and implement ethical, socially relevant and environmentally sound engineering and technology-based solutions to complex economic, management and industrial problems.

Using an in-depth education in the liberal arts as the student's intellectual foundation, the BSIE Program combines UA&P's current expertise in economics, management, and information technology with competent instruction in the theoretical and applied sciences and mathematics and the core engineering courses.

The BSIE Program hopes to produce true Renaissance engineers of the new millennium, who are educated in "multidisciplinary and integration…working between disciplines, and in new, innovative aspects of science, as well as engineering and technology, liberal arts, leadership, ethics, [and] entrepreneurship.

CURRICULUM

All BSIE students are exposed to a wide range of engineering applications that prepare them for an area of concentration in any of the following:

- Production and operations management
- Operations research
- Organization, technology, and entrepreneurship
- Financial and decision engineering
- Technology policy

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Move at the speed of innovation.

The Information Technology Program of the University of Asia and the Pacific (UA&P) goes beyond the traditional confines of computer science by exposing students to an environment oriented to both business and technology. Students develop not only the technical skills, but also the business management skills and soft skills as well as the moral and ethical grounding students need to become the complete IT professional for the Philippines, Asia, and the rest of the world.

CURRICULUM

Our IT Program is built upon the liberal arts program of the University but has strengthened mathematics and science components in order to provide students with solid general education training. The IT specialization courses focus on business systems development and are meant to develop students in the following competencies: software, hardware and networking, and business.

MASTER IN INFORMATION TECHNOLOGY

The complete IT professional.

The Master in Information Technology (MIT) program of UA&P aims to produce the complete IT professional – equally capable as a software engineer, systems administrator, business analyst, and researcher. The master's degree gives the graduate an edge in the IT industry as it trains graduate students not just to be administrators, but to be managers, senior engineers, strategic planners, chief information officers, entrepreneurs, and educators. It does this by providing IT training that focuses on the development of intellectual activities and not just the acquisition of skills.

The program emphasizes the acquisition of concepts and technologies preparing and enabling the graduate student for the industrial practice of systems integration, systems administration, systems planning, systems implementation, and other activities that maintain the integrity and proper functionality of a system and its components. It also involves projects relevant to the industry including business, education, and government.

Admission Qualifications

- Graduate of any degree with two years' work experience.
- Satisfactory interview results
- Proficiency in oral and written communication skills

Admission Requirements

(To be submitted in a short brown envelope)

- Completed MIT application form
- Transcript of Records (Original Copy)
- Curriculum Vitae (with 2x2 photo)
- Two 2x2 pictures
- Two letters of recommendation (from supervisor or former professors)

Academic Calendar

- 1st Quarter – August to October
- 2nd Quarter – November to January
- 3rd Quarter – February to April
- 4th Quarter – May to July

CONTACT INFORMATION

Office Address
School of Sciences and Engineering
5th Floor, CAS Building,
University of Asia and the Pacific
Pearl Drive, Ortigas Center, Pasig City 1605, Philippines

Telephone:
(+632) 8637-0912 to 26 ext. 336

Fax:
(+632) 8637-0912 ext. 336

Email Address:
Admission: ist@uap.asia
Research : it.research@uap.asia

Website:
http://www.uap.asia
https://sites.google.com/uap.asia/itresearchconference/call-for-papers