

# REALumni E-Newsletter

## Welcome Note



Dear REALumni,

Welcome to the REP REALumni family! Since our inception in 2011, REP has grown rapidly and celebrated the graduation of our first two cohorts (AY2011 R1 and AY2012 R2 cohorts). I am very excited to welcome AY2013 R3 cohort to our REALumni family when they complete their 4.5 years study by end of this year, with the total number of REALumni exceeding 100.



As the pioneer batches of graduates, you have established the hallmark of a REP graduate and blaze the trail for succeeding batches to follow. I am confident that you will bring with you useful skills in teamwork, critical thinking and communication skills that you have developed from your time in REP to your career.

I like to introduce you to the REP Alumni team from REP Office. A/P Tan Joo Seng will lead this important initiative with Mr Chow Kwok Weng and Ms Ng Li Ting. Together with NBS Alumni Office, we will be rolling out a series of alumni events and activities. I am pleased to present this inaugural issue of REALumni quarterly e-newsletter. This e-newsletter will help you stay connected with us, provide you the latest news about your friends, classmates and juniors and keep you informed about upcoming REALumni events and activities. I look forward to seeing more of you coming to support and participate in our REALumni activities and initiatives.

Professor Gan Chee Lip  
Director  
Renaissance Engineering Programme



# REP Graduates Wins Top Industry Award

Asia Risk Transfer Solution, or ARTS is a local start-up whose core founding team includes Alex Chen (R1), Chen Wei Ian (R2), Toh Rui Jie (R2), Soham Ghosh (R2), Matthew James (R2), Jovian Ang (R2) and Nigel Kong (R3). ARTS is an InsurTech company established in January 2016 with the mission of providing technology platforms and solutions that power insurance for the masses across the world.

Despite being a young start-up company, the team has fought hard to clinch the “Innovation Award” at the highly-acclaimed 7th Asia Insurance Technology Awards 2017. Winning this prestigious award is certainly not an easy feat, especially when the team competed among top entries in the Asia Pacific including Australia, China, Hong Kong, India, Malaysia, Singapore, Sri Lanka, Taiwan and the United Kingdom.



## LET'S HEAR MORE FROM THE TEAM

### 1. Tell us more about ARTS.

ARTS is a Singapore-based InsurTech company founded in 2016. We help insurance companies in emerging markets provide index-based insurance to the masses with analytics in underwriting, portfolio management, claims, and more. Our goal is to promote financial inclusion across Asia through improving the affordability, accessibility and administration of insurance.

### 2. What is the unique selling point of your company's product?

Our product is called the Crop Risk Expert Suite, or (CRES) for short. Historically speaking,

agriculture is one of the largest and most important industries in Asia, and a significant portion of the population here directly depend on farming for a living. However, most farmers in Asia are highly vulnerable to extreme risks such as floods and droughts that can wipe out their entire harvest for the year.

CRES is a risk analytics platform that helps insurance companies tap into this large insurable market. We integrate data analytics, actuarial simulations and agriculture risk models to help insurance companies with the design and pricing of crop insurance products. CRES was launched earlier this year in India, and is now in use by insurance companies to provide insurance to millions of farmers nationwide.

### 3. What are your thoughts on winning the Award?

As a young company with a relatively short history, the accolade represents a significant milestone for all of us, as well as a major endorsement for CRES in the industry. We also hope that this would help generate greater interest and ideas for inclusive insurance in developing Asia, and look forward to more collaborations with partners in time to come.

## REAlumni Dialogue



September, we invited all REAlumni for a dialogue session at Alumni House at Marina Square to provide feedback on the programme. We were very glad to see our fellow graduates returning warmly to support this event and gave their sincere feedback and suggestions, which are immensely valuable as we strive to continue enriching the REP experience.

Upon registration, graduates completed an online survey and proceeded to enjoy a scrumptious buffet dinner. Over dinner, graduates were able to catch-up with the REP Fellows, share about their job experiences and reminisced their school days back in REP.



The dialogue session began with a short opening address by Associate Professor Tan Joo Seng, Deputy Director of REP. The highlight of the session was the open dialogue, facilitated by a REP Fellow at each table. Graduates gladly shared their feedback on the curriculum, relevance of REP in their current work function and area of improvements. The event wrapped up with a closing address to thank all graduates and fellows who made this event a great success.

## Celebrating Student Achievements

### REP Team Shines at SIA App Challenge 2017

Congratulations to Team SIAnsation (R6) for winning the 3rd prize at the SIA App Challenge 2017 held on 28 October 2017! The SIA App Challenge was a coding competition, where each team built an application that solves real world corporate challenges. The theme for this year was “Be Part of SIA’s Digital Transformation”, comprising business challenges focusing on two areas – Customer and Operations.

The winning idea “Smart Queue (SQ) Experience” was a system that the team built to tackle the challenge of enhancing the customer service centre experience. The team creatively utilised smart analysis of customer’s queries and requests to cut down customer traffic, and filtered those who actually need the service officer’s help and provide the estimated waiting time. This is then combined with a summary of the key details of the customer’s case in a dashboard, enabling the officer to provide more personalised service. Finally, the system automates the logging of each case onto a cloud database, which aids the continuous refinement of the system through Machine Learning.



Members of the team, Quek Yufei (from left), Johann Ko, Ng Yu Xuan and Daniel Sebastian Yee (right). Our winning team walked away with 30,000 Krisflyer Miles per member.



## REP Winning Big at PSA Game It 2017



"PSA Game IT 2017", PSA Singapore's first mobile game application design contest was held on 27 October 2017. The inaugural contest saw 45 teams across local universities and polytechnics competing to develop a mobile game app that showcases PSA's core business, in hope of winning the grand prize of \$10,000.

Among the 8 finalists shortlisted for the final round, we are very proud to have two teams from REP, Team iPort (R3) with their game "Shipeee!" and Team Alright Mate (R6) with their game "Port Time Job" entering the finals. Both teams impressed the panel with their unique game app and passionate presentations with Team iPort clinching first place as well as the Most Popular App award and Team Alright Mate winning the 2nd place.



Team iPort won the grand prize of \$10,000 as well as the Most Popular App award.

"Shipeee!" is a puzzle game that tests the player's reaction and planning skills to safely operate trucks from one ship to another, and avoid obstacles and other trucks along the way.



Team Alright Mate won 2nd place and prize award of \$5,000.

"Port Time Job" is an adventure game featuring the player on a port-time (pun intended) job around the PSA port, handling different day-to-day operations in the form of short mini-games.

## Year 1 REP Team clinched 1st Prize at MOHH's Assisted Bathing Challenge

The Assisted Bathing Challenge 2017 was a competition organised by MOH Holdings Pte Ltd (MOHH) and American Society of Mechanical Engineers NUS (ASME) to explore new, innovative ideas that improve the current way of bathing residents in aged care facilities who require assisted bathing. Participants were challenged to develop an automated, hands-free assisted bathing solution for the elderly.

Out of the 10 teams who advanced through the preliminary rounds to the final round on 17 November 2017, Team DEF (R7) was crowned 1st prize and presented with a cash prize of \$1,500. The winning idea "KiAi" was a multi-purpose shower system that removes the need for caretakers to turn residents over as the water system installed washes the residents' backs while they are lying down. This essentially helps to minimise time and labour spent in bathing the elderly.



The winning team, Tan Zhen Yuan (from left), Kok Yixuan Tiffany, Pan Xin-Min, Shen Chen, Teo Ren Jie, Lee Zhi Rui, with mentor Associate Professor Teh Kah Chan (right).