

## KNOWLEDGE EXCHANGE FUNDING EXERCISE 2016/17: SUMMARY OF IMPACT PROJECTS

Faculty / Unit	Project Co-ordinator	Post Title, Department	Project Title	Summary Description
Architecture	Mr Mathew PRYOR	Assistant Professor, Department of Architecture	Urban Rooftop Farming Network	Approximately 50 rooftop farming communities have recently emerged in Hong Kong but they operate largely in isolation. The project aims to establish a network connecting these rooftop farming communities to facilitate the sharing of best practices, to advocate support from the government, and to promote rooftop farming to building owners as part of a healthy urban development.
Architecture	Professor Weijen WANG	Professor, Department of Architecture	Community Design and Construction of Traditional Nepalese Temple Architecture	By collaborating with Nepalese carpenters, the project aims to complete the design and construction of a timber-framed tiered temple initially installed on the site of World Wood Day Symposium in Kathmandu, making it a permanent exhibition on demonstration of wood culture and the age-old timber building techniques, as well as providing a community site for the locals.
Architecture	Professor Weijen WANG	Professor, Department of Architecture	Shaping Public Space and Landscape Improvement for Tsoi Yuen Ecological Village	The project aims to improve the built environment of Tsoi Yuen Village after its relocation by formulating strategies on the design of landscape and public space of the Village in collaboration with the villagers and constructing public pavilions, plazas and walkways in the Village.
Arts	Professor Stephen Y. W. CHU	Professor, School of Modern Languages and Cultures (Hong Kong Studies)	Hong Kong Keywords: Reproducing Hong Kong Cultures	The project aims to motivate secondary school students to rethink about Hong Kong cultural characteristics and their resonances through keywords production. There will be workshops where students will explore the cultural and historical bases of Hong Kong daily life and cultures, and a competition on Hong Kong cultural keywords creation by means of writing, photography or video.
Arts	Dr Peter CROSTHWAITE	Assistant Professor, Centre for Applied English Studies	Big Language Data for Beginners: HKU CorpusMate	The project aims to develop a website and a mobile app that host a bilingual (English and Cantonese) corpus query training package titled CorpusMate. It will include a small private online course (SPOC) accompanying a corpus query tool to encourage the Hong Kong English-using community to use language corpora as a viable reference source alongside traditional dictionaries or translation websites.

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Arts	Dr Cynthia F. K. LEE	Associate Professor, Centre for Applied English Studies	Automated Content Feedback and English Essay Writing	The project aims to promote the use of computer technology for English essay writing through the Essay Critiquing System (ECS) to the community, especially secondary 3 to 6 students, and to inform the English language profession, such as the English teachers in Hong Kong, of the latest research and pedagogy on computer-assisted second language writing. Writing workshops will be conducted in local schools.
Arts	Dr Li CHONG	Lecturer, School of Modern Languages and Cultures	German with Fun - Language and Cultural Project for Secondary School Students	The project aims to enhance the interest of the general public in learning German language and in understanding its culture. Outreach programmes for local secondary school students will be initiated through organizing language and cultural workshops. A “German Fun Day” will be organized at HKU to provide a platform for students of the participating schools to share their learning experience and communicate in German.
Arts	Dr Lisa LIM	Associate Professor, School of English	LinguisticMinorities.HK: Bigger picture, broader issues	The project aims to develop materials in and from the website, LinguisticMinorities.HK ( <a href="http://linguisticminorities.hk/">http://linguisticminorities.hk/</a> ), which comprises a one-stop resource on the linguistic situations of ethnic minorities in Hong Kong, with broader issues relevant to today's world including migration, education, health, social justice, development and sustainability. Talks and activities will be conducted in schools to inspire the youth in Hong Kong to respond to these issues.
Arts	Dr Eva N. S. NG	Assistant Professor, School of Chinese	Resources for Interpreting – Developing a Mobile App Version	The project aims to further develop and enhance the website, Resources for Interpreting ( <a href="http://www.interpreting.hku.hk/">http://www.interpreting.hku.hk/</a> ), by enriching it with new information about interpreting and the latest Chinese/English bilingual terms from the news, and by developing a mobile app alongside with the web version for it to reach out to a variety of users with different needs.
Arts	Dr Olga ZAYTS and Mr Joseph H. K. POON	Assistant Professor, School of English // Associate Professor, School of Chinese	Mind HK: Developing a Web-based Information Resource on Mental Health in Hong Kong	The project aims to develop a one-stop bilingual web-based information resource about mental health, the rights of individuals facing mental health problems, and medical and social sources of support available to them in Hong Kong. The information resource will take a 'patient-to-patient' approach to deliver accessible yet comprehensive and good quality reliable information to several main target group of beneficiaries.

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Business & Economics	Mr David BISHOP	Principal Lecturer, School of Business (Accountancy)	Business Ethics, Social Innovation, and Corporate Social Responsibility in Asia	The project aims to educate the business community, especially the next generation of business leaders, concerning business ethics, social innovation and corporate social responsibility through seminars, a dynamic website, short articles (both print and social media), and other educational media so that meaningful change can be brought to businesses in Asia.
Dentistry	Professor Chun Hung CHU	Clinical Professor in Family Dentistry	Assessing the impact and potential for scale-up of the HKU preschool oral health program on kindergartens, preschool children and parents	The project aims to evaluate the impact of the 'HKU Preschool Oral Health Program', which was a large-scale KE project established in 2010 to improve oral health education and to slow the progression of tooth decay in Hong Kong preschool children. The result will inform the planning and execution of dental health promotion or similar community health projects and may ultimately influence the guidelines, services, and policies related to oral health of preschoolers in Hong Kong.
Dentistry	Dr Dominic K. L. HO	Clinical Assistant Professor in Periodontology	Expanding impact and strengthening networking with a non-governmental organization to improve oral health of Hong Kong citizens	The project aims to empower the dental care team of the mobile dental clinic of Project Concern Hong Kong, a non-governmental organization, to provide primary oral health care in four different districts, and to strengthen the collaboration with Project Concern by jointly organizing public events to promote oral health and to encourage the assistance of District Councilors and their teams to reach the disadvantaged populations in Hong Kong.
Dentistry	Professor Han Sung JUNG	Professor in Oral Biosciences	Empowering a local non-governmental organization to prevent oral cancer amongst people at risk in Sri Lanka	Sri Lanka is one of the countries where people have the highest incidence of oral cancer, especially among the tea estate workers as they are large users of betel nuts. The project aims to enhance the knowledge of oral cancer etiology and prevention among tea estate workers in Sri Lanka by providing professional training to local healthcare staff and continuous oral health education and oral cancer detection services to the workers.
Dentistry	Dr Katherine C. M. LEUNG	Clinical Associate Professor in Prosthodontics	Delivering oral care knowledge to ethnic minority in Hong Kong	The project aims to deliver oral health knowledge and raise the dental awareness of South Asian elders living in Hong Kong and thereby to improve their dental health and prevent dental diseases, by conducting free oral and dental examination, and providing free primary preventive dental care service as well as giving information on common geriatric dental diseases and training on self-care through healthcare talks, counselling and exhibitions.

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Dentistry	Dr Katherine C. M. LEUNG	Clinical Associate Professor in Prosthodontics	Empowering a non-governmental non-profit organization to deliver oral home care and promote awareness of dementia in elderly care centers	The project aims to empower the non-governmental organization, Hong Kong Alzheimer's Disease Association (HKADA), to promote awareness of dementia and deliver oral home care in elderly care centers by providing training programmes on dementia and Alzheimer's disease-specific oral hygiene care to the center staff and caregivers, and holding oral health promotion events with HKADA.
Dentistry	Dr James K. H. TSOI	Assistant Professor in Dental Materials Science	"Professional Dental Product Review" for Hong Kong dentists	The project aims to subjectively evaluate and test the existing dental products on the market, so as to provide Hong Kong dentists user-friendly, unbiased, justified, clinically relevant and scientifically sound professional and expert opinions on different dental products. Professional periodicals and a website will be produced and disseminated to Hong Kong registered dentists.
Education	Dr Karen M. K. CHAN	Assistant Professor, Division of Speech and Hearing Sciences	Keep On Talking and Eating (KOTE)	The project aims to improve the communication and swallowing safety in the frail elderly by providing direct therapy and workshops on promoting the knowledge and skills of the patients and carers in managing swallowing and communication impairments through collaboration with Sik Sik Yuen. A KOTE mobile app will be made available to the public and at-risk groups.
Education	Dr Samuel K. W. CHU	Associate Professor, Division of Information and Technology Studies	Educating Parents in Hong Kong, Mainland China and the World on Developing Children's Reading Habit and Ability through an Online Community	The project aims to educate parents in Hong Kong, Mainland China and the world how they can effectively help children develop reading interest and reading ability through various channels such as a Facebook Page, a YouTube channel, a book, a potential newspaper column and a proposed TV series.
Education	Dr Peng LIU	Assistant Professor, Division of Policy, Administration and Social Sciences Education	Evaluating the impact of expert teacher workshops on teacher professional development in Chinese turnaround schools	The project aims to assist principals of turnaround schools in Chongqing, China to establish expert teacher workshops for teacher professional development, and to evaluate the impact of the workshops on the professional capacity of the teachers and the leadership capacity of the schools.

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Education	Dr Estella P. M. MA	Associate Professor, Division of Speech and Hearing Sciences	Green Voice for School: Promoting knowledge of healthy voice use in primary school students	The project aims to raise awareness of vocal health and improve vocal hygiene knowledge among Hong Kong primary school students, their parents and teachers; and provide educational training for parents and teachers on how to implement vocal hygiene with their children and students, by organizing a range of school-based activities, workshops and seminars.
Education	Dr Ida A. C. MOK	Associate Professor, Division of Mathematics and Science Education	Rich Task (Junior Secondary Mathematics)	The project aims to promote the pedagogical model of rich tasks and collaborative learning to enhance the teaching and learning of mathematics in local junior secondary mathematics classrooms by hosting training workshops to secondary teachers on training and dissemination of the teaching strategy of rich tasks.
Engineering	Dr Wilton W. T. FOK	Principal Lecturer, Department of Electrical and Electronic Engineering	Knowledge Exchange on Robotic and programming for STEM education	The project aims to disseminate the knowledge on mathematics, computer, programming and robotic to local students. Around 100 underprivileged students will be invited to attend training workshops to learn and gain hands-on experience on new technology using the e-learning course materials developed by the e-Learning Development Laboratory.
Engineering	Professor Francis C. M. LAU	Professor, Department of Computer Science	Earthquake in Hong Kong?	By organizing an “Earthquake Detector Design Competition” with associated talks, workshops and visits, the project aims to enhance the knowledge in earthquake science of local primary and secondary school students and teachers, and the general public, as well as to arouse their interest in engineering and meteorological / oceanographic instrumentation, and to increase public awareness and preparedness towards natural disasters.
Law	Mr Benny Y. T. TAI	Associate Professor, Department of Law	Post-exam Rule of Law Seminars in Secondary Schools	The project aims to enhance the knowledge of the rule of law of our new generation by teaching concepts concerning the rule of law to secondary students. There will be seminars in 10 to 12 secondary schools for at least 2000 students conducted by the HKU law students.

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Law	Ms Amanda WHITFORT	Associate Professor, Department of Professional Legal Education	Wildlife Crime: Knowledge Transfer for Informed Sentencing	The project aims to assist informed sentencing for wildlife offences in Hong Kong by providing prosecutors with reliable data, for use at trial, assessing the ecological and conservation impact of offences on target species, both locally and internationally.
Medicine	Dr Michael C. W. CHAN	Assistant Professor, School of Public Health	Little Dr Flu	The project aims to increase students' knowledge towards the human respiratory tract, allow them to be familiar with how influenza virus is transmitted, heighten their interest in biomedical science and encourage good personal hygiene habits, through a programme called Little Dr Flu, which is a two-hour educational program targeting students in Primary 5 to 6.
Medicine	Dr Pui Hing CHAU	Assistant Professor, School of Nursing	Promotion of reduction of dietary sodium intake among the elderly Hong Kong population	The project aims to raise the awareness and knowledge of reduction of dietary sodium intake among the elderly population in Hong Kong by organizing health talks with interactive component.
Medicine	Dr Ching-Lung CHEUNG	Assistant Professor, Department of Pharmacology and Pharmacy	Genomic Medicine II: Precision medicine	The project aims to raise the awareness, understanding and interest on precision medicine of pharmacists and the public through a smart phone application, a website and a series of public lectures and train-the-trainer workshops for pharmacists.
Medicine	Dr Joanna W. Y. HO	Lecturer, School of Biomedical Sciences	Through the Looking Glass – Discover the fun and the realities in the wonderland of biomedical sciences	The project aims to lead students from the less privileged secondary schools to discover the fun of scientific discovery and realize the amazingly close connections of the seemingly distant biomedical sciences to our society and to inspire them with wider global perspectives of the science education, by organizing a one week summer camp.

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Medicine	Dr Dennis K. M. IP	Clinical Assistant Professor, School of Public Health	Preventing infectious diseases in young children – A health promotion programme for enhancing hygiene practice	The project aims to extend the current health promotion programme to enhance preventive health concept and hygiene practice against common infectious diseases among early school-aged children in kindergartens (K3, aged 5-6) and primary schools (P1-2, aged 6-8) in Hong Kong by distributing health promotion video clips on various e-platforms.
Medicine	Dr Ava KWONG	Clinical Associate Professor, Department of Surgery	The First Breast Cancer Journey Smartphone Application in Hong Kong	The project aims to develop the first breast cancer journey smartphone application in Hong Kong, which outlines the breast cancer treatment timeline to patients and their caretakers. This can reduce the treatment-related stress and increase patients' treatment and surveillance compliance.
Medicine	Dr Lei LI	Associate Professor, School of Chinese Medicine	Acupressure Workshop- Acupressure Rehabilitation for Hemiplegic Stroke Patients	The project aims to enhance the care and service capacities of the caretakers of hemiplegic stroke patients by offering free acupressure rehabilitation workshops in collaboration with a local non-profit organization.
Medicine	Professor Patrick C. Y. WOO	Clinical Professor, Department of Microbiology	Coronavirus discovery in Hong Kong	The project aims to introduce to secondary school students methods of coronavirus discovery and arouse their interests on scientific research through presentations, guided laboratory tours and highly interactive researcher-student discussions.
Science	Dr Timothy C. BONEBRAKE	Assistant Professor, School of Biological Sciences	An integrated approach to conservation forensics: reducing wildlife trade globally through technology, analytics and education	The project aims to corroborate and synthesize several past, on-going and emerging efforts at HKU which are leading the way in providing for capacity in conservation forensics and establishing a means to impact society through the reduction of wildlife trade. An online portal will be built.

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Science	Professor Aleksandra B. DJURIŠIĆ	Professor, Department of Physics	Building Impact Cases in the Department of Physics	The project aims to build strong impact case studies within the Department of Physics of HKU by collecting evidence of impact arising from our research accomplishments.
Science	Dr Jason C. S. PUN	Principal Lecturer, Department of Physics	Public roadshows to promote light pollution education in the community	The project aims to educate the public about the impacts of light pollution to the environment through the organization of roadshows in public venues and participation in the annual HK SciFest organized by the Hong Kong Science Museum; to promote good lighting practice by piloting an online public directory of good and poor lighting installment in the communities; and to expand our international knowledge exchange effort through the Globe at Night – Sky Brightness Monitoring Network project.
Social Sciences	Professor Cecilia CHENG	Professor, Department of Psychology	Serious Play Effective Work: An Evidence-Based Experiential Program to Enhance Decision-Making and Team Work Effectiveness among Employees in Hong Kong and Mainland China	The project aims to strengthen the effectiveness in team work and decision-making processes of the employees in small and medium-sized enterprises in Hong Kong and Mainland China by delivering an evidence-based workshop that engages the employees in creative and positive thinking as well as team building, training SME trainers to deliver "in-house" workshops, and establishing best practice guidelines for other Chinese mental health professionals and trainers to follow.
Social Sciences	Dr Amy Y. M. CHOW	Associate Professor, Department of Social Work and Social Administration	Reweaving Grief: Innovative Bereavement Care	The project aims to promote an innovative and artistic way, which includes the participation of persons with disabilities, in helping bereaved persons, and to enhance the understanding and appreciation of the general public on different ways of grieving through training workshops, an art exhibition, a public talk and dissemination of a booklet.
Social Sciences	Dr Ernest W. T. CHUI	Associate Professor, Department of Social Work and Social Administration	Enhancement of professional practice competence of social work practitioners in China – a collaborative project between The University of Hong Kong and Sun Yat Sen University of Guangzhou, China	The project aims to promote professional competence of social work practitioners in China using the newly developed professional social work competence scale through providing training to them.



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Social Sciences	Dr Julie HAM	Assistant Professor, Department of Sociology	Visualizing the Voices of Migrant Women Workers	The project features participatory media projects conducted with women migrant workers in The Netherlands, Nepal, Taiwan, Indonesia, and Hong Kong, and aims to generate meaningful social and cultural impact for migrant and non-migrant communities in Hong Kong, and local non-governmental organizations dedicated to human rights, migrant rights and women's rights. There will be an exhibition, a public panel and workshops
Social Sciences	Professor Rainbow T. H. HO	Professor, Department of Social Work and Social Administration	Project EMBRACE (Empowering CoMmunity and Building Resilience for Adults Caregivers of the Elderly)	The project aims to equip the caregiving community with the knowledge and evidence-based practice of holistic healthcare by means of training workshops. Upon completion of the workshops, participants will be able to promote the concept of holistic healthcare and to offer healthcare service to elderly within the community.
Social Sciences	Dr Shirley X. LI	Assistant Professor, Department of Psychology	Empowering parents to help children sleep better: Parent-based sleep education for children with autism spectrum disorders	The project aims to support parents of children with autism spectrum disorders (ASD) to manage common sleep and bedtime problems encountered in children with ASD by developing an educational booklet and a website to promote the importance of sleep hygiene as well as to provide essential educational information about evidence-based pediatric sleep practice recommendation.
Social Sciences	Dr Gary P. F. WONG	Lecturer, Department of Sociology	Enabling Sustainable Community Development: Documenting and Sharing Recent Strategies and Practices of HKU's Collaborations in Pokfulam Village	The project aims to consolidate, reflect on and share the community engagement work done by HKU in collaboration with Caritas, other NGOs and the Pokfulam Village community. By creating a database of projects and interviews, a publication and holding a public engagement seminar, the project will act as a resource for students, the community and the general public to learn about the history and living heritage aspects of the Pokfulam Village.
Social Sciences	Professor Paul S. F. YIP	Centre Director, The Hong Kong Jockey Club Centre for Suicide Research and Prevention (CSRP)	CSRP X Initium Media – 1cm Distance from Blue to Blue	The project aims to promote a message of how different stakeholders can show care to someone in blue mood or shows suicide risk and support them. An interactive multi-media webpage will be produced, along with sharing sessions to be held at schools. Key opinion leaders will also be contacted to share the message to more media professionals and netizens.

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Centre for the Enhancement of the Teaching and Learning	Dr Cecilia K. Y. CHAN	Associate Professor	Changing Mind, Changing Practice and Shifting Culture in Engineering, Science and Business Education from Leading Research Intensive Universities	The project aims to build and strengthen a community of practice in engineering, science and business education globally by sharing examples of excellence in pedagogies and assessment with schools, industries, academics and accreditation bodies and to create a platform for members to share and discuss their ideas and experience around the world.
Communications and Public Affairs Office	Ms Katherine MA	Director of Communications	Measurement of positive media impact related to HKU Knowledge Exchange	The project aims to maintain the online news platform for pooling of daily local news report concerning HKU, as to provide major reference to HKU members of their KE performance.
University Museum and Art Gallery (UMAG)	Dr Florian KNOTHE	Director	Arches Asia Consortium	The Arches Asia Consortium aims to develop as the first regional working group for the Arches heritage database, with a particular focus on expanding the platform to include cultural and natural properties and intangible forms of heritage. This project will be the first major initiative of the official collaboration between UMAG and the Getty Conservation Institute.
University Museum and Art Gallery (UMAG)	Dr Florian KNOTHE	Director	CollectionSpace	The project aims to provide a single web-based location for museum objects, which can be more readily integrated into UMAG's new website, and made available to HKU staff, researchers and the general public. HKU and HK based organizations would likewise benefit from the adoption of CollectionSpace.
Technology Transfer Office	Professor Paul Cheung	Director	Essentials of Research Translation and Impact	The project aims to enhance the understanding of researchers on the essential best practices and challenges in translating scientific research into practical application through collaboration with industry in the technology transfer process, with the ultimate aim of achieving real impact and benefit for society.

