Information Session

Apr 3, 2020

2:30 pm – 3:30 pm

Speakers: Dr. Alex KWONG, TTC
Prof. Hong LO, SSC
Introduction

An 2020 version of the Proof-of-Concept Fund to enhance the commercialization opportunities for research developed at the University by providing funding support for technology realization and validation.
Form of Funding Support

- Each approved project will typically receive funding support of up to HK$ 0.5M
- Total BGF for this Call for Proposal is up to HK$ 5M
- Project Period: 12 months
- Project Start Date: July 1, 2020

- Working with the HKUST Sustainable Smart Campus as a Living Lab (SSC) initiative of the University
Working with SSC

• Prof. Hong Lo please
Eligibility

- Applicants must be full-time faculty members of HKUST.
- Projects should demonstrate advancement in technology readiness of HKUST research outputs, prospect of adoption by industry partners, or establishment of startup.
- Projects that focus on basic research are NOT eligible.
Selection Mechanism & Criteria

• Availability of IP protection
  (Preference given to applications that deploy the University’s inventions/software owned by University with commercialization potentials)
• Commercial potential and impact
• Forming start-ups
  • U*STAR, YWY fund, TSSSU, E-fund, mentorship, seminars, EP-HKSTP joint incubation programs, etc.
• Foreseeable adoption and application by industries for further downstream development
  • JRIls, HCIC, Joint labs/centers, industry contracts
Selection Mechanism & Criteria

Novelty and Technology Merit
• Novelty and innovation
• Stage of development of the technology & implementation plan
• Measurable deliverables

Potential for Technology Transfer and Commercialization
• Technology for industry partners and startups to adopt
• Market opportunities
• Generation of economics and benefits to the society

Team Expertise and Commercialization Management
• The capability and commitment of the project team towards commercialization of the technology
• Overall planning of the project that demonstrates the intended work to be completed within the proposed period

Intellectual Property Status
• Intellectual property position, including patent / patent application, copyrights, software, know-how, etc. that already exist or would be developed during the project
Review Procedures

- Review meetings in May 2020
- Review Committee: Chaired by AVP-KT, members may include D/Heads of TTC, faculty members in related technology areas, as well as external experts
- Only shortlisted candidates will be invited to attend the Review Meeting to present the application and answer questions from the Review Committee
Budget Requirements

The Fund will not cover:

• Equipment;
• General administration and overhead;
• General office IT equipment;
• Depreciation / amortization or provisions not presenting actual expenses incurred;
• Maintenance cost of existing equipment;
• Utilities – charges for electricity, gas, water, telephone, fax, etc;
• Travel, accommodation and subsistence (except local travel expenses within Greater Bay Area on a reimbursement basis).
Working with the Technology Transfer Center

• Serves as a bridge between HKUST research community and the business sector
• Identifies collaboration opportunities in the local, regional and international markets based on HKUST's research strengths
• Monitors primary and emerging fields of research within HKUST for early recognition of commercialization potential
• Manages intellectual properties arising from HKUST research work
• Supports faculty and students in their endeavors to pursue university-industry collaboration, entrepreneurship and technology commercialization.

<table>
<thead>
<tr>
<th>Research Area</th>
<th>Contact Person</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical, biotechnology, Chinese medicine, life science and pharmaceutical</td>
<td>Dr. Alex Kwong, TTC</td>
<td><a href="mailto:alexkwong@ust.hk">alexkwong@ust.hk</a></td>
<td>2358 5902</td>
</tr>
<tr>
<td>Microelectronics, telecommunication and FinTech</td>
<td>Dr. Eric Leung, TTC</td>
<td><a href="mailto:ericleung@ust.hk">ericleung@ust.hk</a></td>
<td>2358 7920</td>
</tr>
<tr>
<td>Big data, AI, VR and IoT-related technologies</td>
<td>Mr. Samuel Wong, TTC</td>
<td><a href="mailto:ttsamuel@ust.hk">ttsamuel@ust.hk</a></td>
<td>2358 5032</td>
</tr>
<tr>
<td>Material science, nanotechnology, environmental science, chemical processing and energy</td>
<td>Dr. Carol Li, TTC</td>
<td><a href="mailto:carolli@ust.hk">carolli@ust.hk</a></td>
<td>2358 7915</td>
</tr>
</tbody>
</table>
Link for Further Information & Application Form

Other Funding Support
<table>
<thead>
<tr>
<th>Cluster Head</th>
<th>Tech Clusters</th>
<th>Requests from BDR</th>
<th>Requests from Kaisa</th>
<th>Requests from BICI &amp; GICI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric Leung</td>
<td>Fintech</td>
<td>Improving Operational Risk Management in Financial Industries with Big Data Analytics; Reliable Multicast Message Middleware Based on User Datagram Protocol (UDP); Application of Machine Learning Algorithms in Quantitative Trading; Recommend Stocks Using Artificial Intelligence Technology; Cryptocurrency and Blockchain Technology; Fintech and Regtech policy and management; and Other Frontier Technologies.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
B.E.S.T. Technopreneurship Program @ HKUST 学生科技创业计划
### New Approaches: **B.E.S.T. Technopreneurship Program in action**

<table>
<thead>
<tr>
<th>2020</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
</tr>
</thead>
</table>

**EC competitions and events:**
- hackathon, E-week, 1-million competition
- Fast-track to External Prog/Fund: STEP, CCMF
- Fast-track to External Prog/Fund: Incu-Tech
- EP (working space)
- E-Fund (VC)

**Remarks:**
1. EC Funds applications are open year-round, in addition to the main exercise in September and January.
2. EC will also liaise with Course Directors and FYP/ FYT Coordinators in order to invite target students to sharing sessions and promote this initiative.
3. Funding incentives:
   - Adopt a hybrid mode of award-based and reimbursement-based funding to allow teams to kick-start projects more easily while reducing their administration burden
   - Additional fund granted to successful ‘match-ups’
**Actions:**

- **Monthly B.E.S.T. Technopreneurship Challenge**
  - **Themes:** different faculty technologies
  - **Introduction sessions:** by faculty / their research teams
  - **Submission of technopreneurship ideas** for the themed technologies: by students
  - **Prize presentation cum meetup/matching session:** with faculty, research teams, all contestants / winners to explore technopreneurship collaborations
  - **Advising / mentoring and other support:** to technopreneurship teams
    - **Expected outcomes:** once a month, 3 months per semester, 6 Challenges per year, 12 technologies per year, 60 or above technopreneurship possibilities per year

- **B.E.S.T. Technopreneurship Club**
  - **Membership:** an active and valuable community composed of students (and later alumni)/faculty with diverse backgrounds and knowledges interested / involved in technologies and entrepreneurship (contestants in the monthly B.E.S.T. Technopreneurship Challenge, entrepreneurship fund / award recipients, participants of renowned competitions etc.)
  - **Pool of potential technopreneurs:** form technopreneurship teams, share technopreneurship experience etc.
    - **Expected outcomes:** 60 or above individual technopreneurs or teams in year one

- **B.E.S.T. Technopreneurship Awards**
  - Encourages new business creation based on application of university technologies, research outputs and partnership with faculty and research teams
    - **Expected outcomes:** 12 or above Award Recipients (individual technopreneurs or teams) per year
Examples of Supports and Opportunities:

- **Fundings**
  - **Entrepreneurship Acceleration Fund**: upto HK$15K / project
  - **YWY Entrepreneurship Fund**: upto HK$200K / project
  - **U*Star Award**: upto HK$40K / project
  - **Bridge Gap Fund**: up to HK$500K / project
  - **E-Fund**: upto HK$2M co-investment

- **Competitions & Events**
  - **One Million Dollars Competition**: since 2011, 8 regional + 1 Grand Final
  - **hackUST/hardUST**: since 2014, 30 nationalities, the largest hackathon held in the Greater China region (2017)
  - **Entrepreneurship Week**: collection and series of events for everyone in and outside of the campus
  - **Online Challenge**: regular contests to demonstrate students' creativities and talents
  - **Local, national and international competitions**

- **Trainings, Mentoring**
  - **mentorHUB**: pool of experienced mentors to bring startups to a new height
  - **Seminar series**: regular trainings, talks and sharing for knowledge enrichment