

RGC Ref. No.: <u>UGC/FDS15/H21/14</u> (please insert ref. above)
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**RESEARCH GRANTS COUNCIL  
COMPETITIVE RESEARCH FUNDING SCHEMES FOR  
THE LOCAL SELF-FINANCING DEGREE SECTOR**

**FACULTY DEVELOPMENT SCHEME (FDS)**

**Completion Report**  
(for completed projects only)

<p><b><u>Submission Deadlines:</u></b></p> <ol style="list-style-type: none"> <li>1. Auditor's report with unspent balance, if any: within <b><u>six</u></b> months of the approved project completion date.</li> <li>2. Completion report: within <b><u>12</u></b> months of the approved project completion date.</li> </ol>
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**Part A: The Project and Investigator(s)**

**1. Project Title**

Angry is not that Angry: Relativity of Emotion Perception and New Development of  
Emotional Expressions Photobank

**2. Investigator(s) And Academic Department(s) / Unit(s) Involved**

Research Team	Name / Post	Unit / Department / Institution
Principal Investigator	LO Lap Yan/ Assistant Professor.	Dept. of Counselling and Psychology, Hong Kong Shue Yan University
Co-Investigator(s)	LI Wang On/ Associate Professor.	Dept. of Counselling and Psychology, Hong Kong Shue Yan University
	YEUNG Pui Sze/ Assistant Professor.	Faculty of Education, The University of Hong Kong
Others		

**3. Project Duration**

	Original	Revised	Date of RGC / Institution Approval (must be quoted)
Project Start Date	1 Nov 2014	N/A	
Project Completion Date	31 Oct 2016	N/A	

Duration ( <i>in month</i> )	24 Months	N/A	
Deadline for Submission of Completion Report	31 Oct 2017	N/A	

**Part B: The Final Report****5. Project Objectives**

## 5.1 Objectives as per original application

1. *To examine an alternative conceptualisation of categorical emotional perception that suggests the discreteness of basic emotions is relative rather than absolute.*
2. *To investigate the potential difference in categorical performance between the traditional specific morphing sequence and non-specific morphing sequences.*
3. *To examine the effects of both the pleasantness and activation dimensions to explore which can be used as an early marker of emotion identification.*
4. *To establish a photobank of emotional expressions possessing all possible morphing sequences to provide a wide-ranging testing platform for the study of categorical emotion perception.*
5. *To generate both exaggerated and natural versions of emotional expressions in the photobank to suit various research purposes.*

## 5.2 Revised objectives

Date of approval from the RGC: N/A

Reasons for the change: N/A

- 1.
- 2.
3. ....

## 5.3 Realisation of the objectives

*(Maximum 1 page; please state how and to what extent the project objectives have been achieved; give reasons for under-achievements and outline attempts to overcome problems, if any)*

Please refer to Attachment 1.

## 5.4 Summary of objectives addressed to date

<b>Objectives</b> <i>(as per 5.1/5.2 above)</i>	<b>Addressed</b> <i>(please tick)</i>	<b>Percentage Achieved</b> <i>(please estimate)</i>
<i>1. To examine an alternative conceptualisation of categorical emotional perception that suggests the discreteness of basic emotions is relative rather than absolute.</i>	√	100%

2. To investigate the potential difference in categorical performance between the traditional specific morphing sequence and non-specific morphing sequences.	√	100%
3. To examine the effects of both the pleasantness and activation dimensions to explore which can be used as an early marker of emotion identification.	√	100%
4. To establish a photobank of emotional expressions possessing all possible morphing sequences to provide a wide-ranging testing platform for the study of categorical emotion perception.	√	100%
5. To generate both exaggerated and natural versions of emotional expressions in the photobank to suit various research purposes	Partially addressed	70% (as explained in attachment 1)

## Research Outcome

- 6.1 Major findings and research outcome  
(*Maximum 1 page; please make reference to Part C where necessary*)

Please refer to Attachment 2.

- 6.2 Potential for further development of the research and the proposed course of action  
(*Maximum half a page*)

Please refer to Attachment 3.

## 6. Layman's Summary

(*Describe in layman's language the nature, significance and value of the research project, in no more than 200 words*)

From the movie 'Inside Out', we generally know the five basic emotions that are basically distinctive from each other. What is not told in the movie is whether some of them are closer than the others. The present project investigated the relationship among these five discrete emotions. The results support the discreteness of all five emotional expressions. Nevertheless, some expressions are found to be easily mixed up with the other expressions, e.g., surprise and fear, and disgust and anger. One of the possible reasons to explain the confusion is about their functional similarities. In other words, if the expressions carry similar survival function, e.g., inhaling more oxygen for preparing the next rapid response, their outlooks would be very highly similar and easy to be mixed up. With the similar reasoning, the trials with the expression of fear are also found to be reacted faster than those without. A fearful look can be treated as a warning signal to tell others the presence of threat which leads to a quick flee. For further research on emotion, a free photobank with calibrated expressions from young Asians faces is developed and upheld in Department of Counselling and Psychology, HKSYU (<http://syucounpsy.wixsite.com/peeya>). (197 words)

**Part C: Research Output****7. Peer-Reviewed Journal Publication(s) Arising Directly From This Research Project**

(Please attach a copy of the publication and/or the letter of acceptance if not yet submitted in the previous progress report(s). All listed publications must acknowledge RGC's funding support by quoting the specific grant reference.)

The Latest Status of Publications				Author(s) (denote the corresponding author with an asterisk*)	Title and Journal / Book (with the volume, pages and other necessary publishing details specified)	Submitted to RGC (indicate the year ending of the relevant progress report)	Attached to this Report (Yes or No)	Acknowledged the Support of RGC (Yes or No)	Accessible from the institutional repository (Yes or No)
Year of Publication	Year of Acceptance (For paper accepted but not yet published)	Under Review	Under Preparation (optional)						
		J		L. Y. Lo*, W. O. Li, L. P. Lee., & P. S. Yeung	Proposed Title:  Running in Fear: An Investigation into the Dimensional Account of Emotion in Discriminating Emotional Expressions	N/A	No	Yes	Yes
		J		L. Y. Lo*, W. O. Li, L. P. Lee., & P. S. Yeung	Proposed Title:  Form Follows Function: An Investigation of the Categorical Boundary Between Fear and Surprise	N/A	No	Yes	Yes

Please also refer to Attachment 4

**8. Recognized International Conference(s) In Which Paper(s) Related To This Research Project Was / Were Delivered**

(Please attach a copy of each conference abstract)

Month / Year / Place	Title	Conference Name	Submitted to RGC (indicate the year ending of the relevant progress report)	Attached to this Report (Yes or No)	Acknowledged the Support of RGC (Yes or No)	Accessible from the institutional repository (Yes or No)

July 2016, Japan	Sadly disgust or disgustedly sad: A study on the distinctiveness of basic emotions with a new Asian emotional expression photobank	31 <sup>st</sup> International Congress of Psychology	No	Yes	Yes	Yes

Please also refer to Attachment 5.

**9. Whether Research Experience And New Knowledge Has Been Transferred / Has Contributed To Teaching And Learning**

*(Please elaborate)*

There are lots of valuable experiences and knowledge I gained from this project. A solid overview of the literatures on emotion and the execution of the experimentation help me to facilitate more in-depth discussion in the senior courses. And the knowledge gained in this project facilitates me in another study which is about the developmental change in emotion perception. Lastly, experience of being a PI has provided me a chance to learn how to manage personnel issues which I did not encounter much before.

**10. Student(s) Trained**

*(Please attach a copy of the title page of the thesis)*

Name	Degree Registered for	Date of Registration	Date of Thesis Submission / Graduation
N/A	N/A	N/A	N/A

**11. Other Impact**

*(e.g. award of patents or prizes, collaboration with other research institutions, technology transfer, teaching enhancement, etc.)*

N/A

**12. Public Access Of Completion Report**

*(Please specify the information, if any, that cannot be provided for public access and give the reasons.)*

<b>Information that Cannot Be Provided for Public Access</b>	<b>Reasons</b>
N/A	N/A