**2010 SEAMEO Jasper Research Award**

**Application Form**

<table>
<thead>
<tr>
<th>Name:</th>
<th>LOH SAU CHEONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surname</td>
<td>First/Given Middle (If any)</td>
</tr>
<tr>
<td>Nationality:</td>
<td>MALAYSIAN</td>
</tr>
<tr>
<td>Sex:</td>
<td>□ Male X Female</td>
</tr>
<tr>
<td>Date of Birth:</td>
<td>14 FEBRUARY 1966</td>
</tr>
<tr>
<td>Place of Birth:</td>
<td>KUANTAN, PAHANG MALAYSIA</td>
</tr>
<tr>
<td>Mailing Address:</td>
<td>DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND COUNSELING, FACULTY OF EDUCATION, UNIVERSITY OF MALAYA, 50603 KUALA LUMPUR, MALAYSIA.</td>
</tr>
<tr>
<td>Residence:</td>
<td>36, JALAN SETIASKASI 9, DAMANSARA HEIGHTS, 50490 KUALA LUMPUR, MALAYSIA.</td>
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<tr>
<td>Telephone No:</td>
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<tr>
<td>Office (1)</td>
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<td>+603-20962335</td>
<td>016-3125189</td>
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<td>FAX:</td>
<td>+603-79675010</td>
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<tr>
<td>E-mail Address:</td>
<td><a href="mailto:lohsch@um.edu.my">lohsch@um.edu.my</a></td>
</tr>
</tbody>
</table>
Academic Background

<table>
<thead>
<tr>
<th>Degree Obtained (Major Field)</th>
<th>Institution</th>
<th>Year Attended (Inclusive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Philosophy (Educational Psychology)</td>
<td>Putra University of Malaysia (UPM)</td>
<td>July 1999 - October 2002</td>
</tr>
<tr>
<td>Master of Science (Educational Psychology)</td>
<td>Putra University of Malaysia (UPM)</td>
<td>July 1999 - May 1999</td>
</tr>
<tr>
<td>Bachelor of Education (Special) with Honours (Special Education)</td>
<td>National University of Malaysia (UKM)</td>
<td>June 1993 - May 1997</td>
</tr>
<tr>
<td>Certificate of Teaching (Chinese Studies)</td>
<td>Pantai Valley Teachers Training College (MPLP)</td>
<td>July 1987 - December 1989</td>
</tr>
</tbody>
</table>

Professional Background

<table>
<thead>
<tr>
<th>Position/Designation</th>
<th>Agency/Institution</th>
<th>Years Employed (Inclusive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Lecturer</td>
<td>University of Malaya 50603 Kuala Lumpur</td>
<td>January 2004 - Present</td>
</tr>
<tr>
<td>Special Educator</td>
<td>Bangsar Secondary School</td>
<td>October 1997 – May 2000</td>
</tr>
<tr>
<td>Teacher</td>
<td>Yak Chee Chinese Primary School</td>
<td>December 1989 – June 1993</td>
</tr>
</tbody>
</table>

Other Research and Publications (Completed over the past five years)

Publication – Academic Journals

2010

2008


2007


2006


2005


Noraini Idris, Loh, S. C., Norjoharuddeen Mohd Nor, Ahmad Zabidi Bin Abdul Razak, Rahimi Md. Saad (2005). Parents' Role in the Implementation of Teaching Mathematics and Science in English (Peranan ibu...

2004


Publications - Book

2010


2009


2008


2006


2005


Publications-Chapter In Book

2010


2007


2005


Publication - Proceeding

2009


2008


2007


2005


2004


Research (Completed for the past five years)

IPPTN - Malaysian Teacher Quality of Human Capital Development, Co-Investigator, 2009-2009, IPPTN

VOT F - Teaching of Mathematics and Science in English (PPSMI) - Primary School (Focus on: Teacher Self-Efficacy and Student Self-Concept), Co-Investigator, 2009-2009

Vot F - Educational Implications and the Development of Educational Enhancement Model for Individuals with Cleft Lip and/or Palate in Malaysia, Principal Investigator(PI), 2008-2010
FRGS - Development of an Innovative, Effective and Globalised Teacher Education Programme in Malaysia, Co-Investigator, 2008-2009, Ministry of Higher Education

FRGS - Special Education for Energetic Development (SEED) Project (II), Co-Investigator, 2007-2010, Ministry of Higher Education

Vot F - Effective Transitional Plan from Secondary Education to Employment for Individuals with Special Needs: A Case Study in the Malaysian Context, Principal Investigator(PI), 2007-2008, Vot F, University of Malaya

CPDS Fund - Educational Opportunities for Children of Poverty in Malaysia (Focus on: Psychological Characteristics of Student), Co-Investigator, 2007-2008, CPDS

FRGS - Effective Transitional Plan from Pre-School to Primary Education for Children with Special Needs in Malaysia (II), Principal Investigator(PI), 2007-2009, Ministry of Higher Education


Research University Grant - Effective Transitional Plan from Pre-School to Primary Education for Children with Special Needs in Malaysia (I), Principal Investigator(PI), 2007-2009

Research University Grant - Special Education for Energetic Development (SEED) Project (I), Co-Investigator, 2007-2009


Fundamental Grant - Attributions for Success and Failure in Mathematics and Science Instruction and Its Relation to Emotional Intelligence: A Study on Form One Mathematics and Science Teachers in Selangor, Principal Investigator(PI), 2006-2007, Fundamental Grant, UM

Fundamental Grant - A Comprehensive Annotated Bibliography of Special Education in Malaysia, Co-Investigator, 2006-2006, Fundamental, UM

CEDER Fund - An Evaluation on the implementation of using English in teaching Mathematics and Science (Focus on: Teacher Self-Efficacy and Student Self-Concept), Co-Investigator, 2005-2006, Centre for Economic Development and Ethnic Relations


MIMOS Grant - The impact study of Malaysian Grid for Learning (MyGfL) among Malaysians (Focus on: Children with Hearing Impaired, their Parents and Teachers), Co-Investigator, 2005-2005, MIMOS Bhd.

Malaysian Examination Syndicate Fund - Classroom Assessment System for Teaching and Learning (CASTLe), Co-Investigator, 2004-2005, Malaysian Examination Syndicate
Please share your views on how your work as a researcher could be enhanced by winning the SEAMEO Jasper Research Awards

The winning of the SEAMEO Jasper Research Award will enable me to enhance my work as a researcher in the following aspects:

Firstly, I will be able to share my research findings to not just academia world in Malaysia, but also to share it with other researchers from other part of the world, in this case Canada. By presenting my findings, I am disseminating the information which will help expand the knowledge in the field of early childhood care and education (ECCE), which will then help to promote quality education for mainstream and special children.

Secondly, the award winning will help me to identify and conduct research in more significant areas which give high impact to the society and community, as through sharing of knowledge with experts in ECCE from Canada, it will help to broaden my horizon in tapping into the researchable area which is untapped in my country.

Thirdly, by conducting more research of significant area, it will help me to sharpening my research skill and will allow me to share this with my fellow students and colleagues in my home country.

Fourthly, winning this award will help me to broaden my social aspect in the research arena, as I will get the opportunity to come into contact with and learn from fellow researchers from Canada which will allow for more cultural understanding and exchange between us.

Fifthly, winning this award will mean that all the effort thus far in helping to improve the quality of ECCE has been recognized by the committee in specific. This will provide moral support and help boost my morale in conducting more quality research for the betterment of mankind.

Last, but not the least, winning this award is the starting point of getting to know the world in a more microscopic and macroscopic view.

Date: 24 November 2010  
Signature:
The Research Entry

Descriptive Title: **Use of Visual Auditory Simulation Technique in Promoting on-Task Behavior of Children**

Research Team Members (Names, Institutions and nature of their participation):

1. Assoc. Prof. Dr. Ow Siew Hock, University of Malaya, Co-Researcher
2. Dr. Chew Fong Peng, University of Malaya, Co-Researcher
3. Mr. Zahari Ishak, University of Malaya, Co-Researcher

Other prizes, awards or citations received (please cite the year and award-giving body):

1. Gold Medal, 2008, Conference and Expo on Research in Education, University of Malaya
2. Silver Medal, 2010, Malaysian Technology Expo (MTE)
3. Silver Medal, 2009, 20th International Invention, Innovation and Technology Exhibition (ITEX)
4. Bronze Medal, 2009, Expo of Invention and Innovation, University of Malaya

Date Started: **October 2007**  Date Completed: **March 2009**

Study Site(s)/Locale: **Klang Valley, Malaysia**

Implementing Agency/Unit: **University of Malaya**

Funding Agency (if any): **Ministry of science, Technology and Innovation (MOSTI), Malaysia**

Briefly discuss relevance of the research project towards improving education in Southeast Asia

By using visual and auditory simulation technique, coupling with the systematic incremental approach in promoting children’s on-task ability, this study produces an educational and intervention tool which can facilitate the fostering of children’s attention. It also provides a positive alternative measure for children who are prone to lack of attention span and dependent on stimulant medication for behavioral control. Children who demonstrate high level of distractibility are allowing their energy to dissipate away non-meaningly. Although many training skills can be found to help learners to stay focused, there is hardly any systematic and step-by-step approach to guide learners in fostering their attention in accordance to their mental ability. Therefore, by blending the multiple intelligences theory with the multisensory approach, this research project helps the learners to channel their energy in the right way, at the same time develop them holistically. In the long run, mainstream children and children from the disadvantaged group who have been trained to be on-task will eventually meet with success in life. This will help to improve education in Southeast Asia in general and Malaysia in specific as these countries moves towards responding to the globalised world.

Briefly discuss how the research project may contribute towards better understanding between Canada and Southeast Asia

The winning of this research project will enable the researcher to present, share and exchange knowledge on what had been completed throughout the entire study and to explore the possibility of replicating similar study in Canada by taking into consideration of the existing cultural diversity between these countries. As this research produces an educational intervention tool to help train the attention of mainstream and special needs children, it is the fervent hope of the researcher that this intervention tool can be utilized in Canada in order to help the mainstream and disadvantaged children, thus, enabling them to function fully in the Canadian society. In addition, the researcher would like to explore on the
possibility of future research collaboration with experts from the field of early childhood care and education in Canada with those in Southeast Asia. With this joint effort of continued interaction and knowledge sharing, it helps to promote better understanding on the provision of early childhood care and education between Canada and Southeast Asia, thus, enabling better mobilization of resources in raising the quality of early childhood care and education in these countries.

After completing the Application Form, please e-mail to: secretariat@seameo.org.

The original completed Application Form, together with seven (7) copies of not more than 20-page summary of the research (rationale, objectives, methodology, findings, conclusions, recommendations and references/bibliography); seven (7) copies of not more than one-page abstract of the research; and one copy of the complete research paper are sent to:

The Director  
SEAMEO Secretariat  
Mom Luang Pin Malakul Centenary Bldg  
920 Sukhumvit Road  
Bangkok 10110, Thailand