Teaching and Learning Innovation EXPO (the EXPO) at CUHK:
A mutual support platform for teachers to enhance teaching strategies and experience

Presented by: Ms. Minghui CHEN, Daisy
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1. Overview of the EXPO

2. Key elements of the EXPO
   Showcase: LE@RN biochem

3. Conclusion
1. Overview of the EXPO
Overview of the EXPO

Expo: Excellence Online

Teaching and Learning Innovation Expo
Overview of the EXPO

- **Organizers**

<table>
<thead>
<tr>
<th>Information Technology Services Centre (ITSC)</th>
<th>Centre for Learning Enhancement And Research (CLEAR)</th>
</tr>
</thead>
</table>

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Overview of the EXPO

- Official website
- Online registration
- Promotion
- Event planner
## Overview of the EXPO

### Aims
The Expo aimed at building awareness of the diversity of learning designs available to teachers and students at CUHK.

<table>
<thead>
<tr>
<th>Projects</th>
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<tbody>
<tr>
<td><strong>ELearning</strong></td>
<td>• Using podcasts and blogs for deeper student engagement</td>
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<td>• Teacher participation on Facebook and student engagement in learning</td>
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<td>• i+A apps: Multimedia learning platform for clinical studies</td>
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<td><strong>Learning activity design</strong></td>
<td>• Classroom activities for learner-centred approach</td>
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<td>• Teaching product design with a role-playing game</td>
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<td><strong>Service promotion</strong></td>
<td>• CUHK on iTunes U</td>
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<td>• CU Student Information System (CUSIS)</td>
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<td>• Cloud Computing Development Plan in ITSC</td>
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<td><strong>Students/campus development</strong></td>
<td>• Learning Commons and Research Commons of the library</td>
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<td>• Understanding preferences and needs of various features of informal learning spaces</td>
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<td>• Careers E-coach</td>
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<td>• Student Development Portfolio</td>
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</table>
## Overview of the EXPO

### Happenings at the EXPO

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Keynote session</td>
<td>[Image of a keynote session]</td>
</tr>
<tr>
<td>Panel discussion</td>
<td>[Image of a panel discussion]</td>
</tr>
<tr>
<td>Poster presentations</td>
<td>[Image of a poster presentation]</td>
</tr>
<tr>
<td>Information talks</td>
<td>[Image of information talks]</td>
</tr>
</tbody>
</table>
Overview of the EXPO

Topics and projects

- eLearning: 88%
- non eLearning: 12%
## Overview of the EXPO

### Number of posters and talks in EXPO 2007-2011

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Posters</strong></td>
<td>19</td>
<td>20</td>
<td>30</td>
<td>36</td>
<td>48</td>
</tr>
<tr>
<td><strong>Presentations</strong></td>
<td>0</td>
<td>12</td>
<td>15</td>
<td>19</td>
<td>14</td>
</tr>
</tbody>
</table>

The bar chart above shows the number of posters and talks presented at EXPO from 2007 to 2011. The data indicates a steady increase in the number of posters and presentations over the years, with a significant peak in 2011.
Overview of the EXPO

**Total number of attendance in the EXPO 2007-2011**

<table>
<thead>
<tr>
<th>Year</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>100</td>
</tr>
<tr>
<td>2008</td>
<td>110</td>
</tr>
<tr>
<td>2009</td>
<td>117</td>
</tr>
<tr>
<td>2010</td>
<td>165</td>
</tr>
<tr>
<td>2011</td>
<td>161</td>
</tr>
</tbody>
</table>
Overview of the EXPO

- Teacher voices

“I attended only the poster session. I think the exchange of ideas between presenters is wonderful and spark off a lot of new ideas in T&L.”

“Provided a good platform for teachers to discuss and brainstorm teaching strategies during the poster session.”

“includes lots of (posters) presentation / discussion which are useful.”
1. Overview of EXPO

2. What’s the key to the success of the EXPO?
   Showcase: LE@RN biochem
Module 1: Protein Biochemistry

In this module, there are videos, animations and games to illustrate concepts on protein purification and protein structures.

After going through this module, you will gain understanding on different protein purification methods, gel filtration chromatography, protein separation procedures and determination of protein concentration. You will also learn different structures of proteins.
What they need:
- An integrated platform
- Supplementary materials for teachers
- Pre-study course contents for students

How we could help:
- Website design
- Animations/quizzes/games design
- Technical support
EXPO project showcase - LE@RN BIOCHEM

(Website developed by the project team and ITSC)

Project “LE@RN biochem” joined poster presentation in 2010 EXPO

Pre-launch of LE@RN biochem in Aug. 2011

Pre-launch evaluation of LE@RN biochem in Oct. 2011
(Evaluation conducted by CLEAR)

Successful launch of LE@RN biochem in 2011-2012 Term 2
Poster presentation in 2011 EXPO
**Evaluation - focus groups**

**Video and animation** can be very useful for students to learn practical skills and to understand abstract concepts. The design of the platform is well-organized and user-friendly.

It was also generally agreed that more information could be added such as more topics and more questions in the quizzes.

**Teachers**

One student planned to visit the site after class or during leisure time because the site allows him to **revise the course materials** in a more leisurely and relaxing atmosphere.

Students are voluntary in studying the interactive features such as quizzes that they can **enjoy the learning process**.
In the EXPO 2011...
1. Overview of EXPO

2. What’s the key to the success of the EXPO?  
   Showcase: LE@RN biochem

3. Conclusion
Conclusion

Teaching and Learning Innovation EXPO

Teachers

Pedagogical advice
Course planning
Evaluation

Technological usage
Multimedia Tools
Courseware development

ITSC

CLEAR

support and consultation services
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Christy Cheng, Kenneth Leung, P. C. Shaw (LE@RN BIOCHEM project team)