



## International Conference on Machine Learning and Cybernetics 2005 18 – 21 August 2005, Guangzhou, China

Websites: <http://www.icmlc2005.hbu.edu.cn> <http://www.comp.polyu.edu.hk/~cike/icmlc2005>

### **Invited Session**

## *Applying CI and Data Mining Techniques to Support Teaching/Learning in the e-Learning Environment*

<b>Organizer:</b>	<p><b>Maiga Chang</b> National Science and Technology Program for e-Learning, Taiwan maiga@ms2.hinet.net</p> <p><b>Ching-Jung Liao</b> Chung-Yuan Christian University, Taiwan cjiao@ms27.hinet.net</p>
<b>Description:</b>	<p>During the past few years, many researchers take Computational Intelligence and Data Mining techniques into analyze the learner's behavior in the e-Learning environment. Researchers not only use the CI/DM to analyze, but also use it to predict the learning achievement and give feedback to both students and teachers. The session will focus on discussions on the issues of applying Computational Intelligence (Neural Networks, Fuzzy, Rough Set, Evolutionary Computation) and Data Mining techniques to support teaching and learning in the e-Learning environment.</p> <p>Suggested themes that the papers should be addressing include, but are not limited to:</p> <ul style="list-style-type: none"> <li>- Analysis of Learning Behaviors</li> <li>- Feedback according to Data Analysis/Data Mining</li> <li>- learner's Portfolio Analysis</li> <li>- Misconception Diagnosis</li> <li>- Learning Achievement Prediction</li> <li>- Material Recommendation</li> <li>- Learner Grouping/Classification/Clustering</li> </ul>
<b>Submission Format:</b>	<p>Authors must submit an electronic copy (in word or pdf) of their complete manuscript directly to the Session Chair (cjiao@ms27.hinet.net or maiga@ms2.hinet.net) on or before April 30, 2005. The paper should be prepared according to the icmlc paper format. Authors will receive reviews by June 01, 2005. Camera ready copy of papers will be due by July 01, 2005.</p>