IEEE TECHNICAL COMMITTEE ON LEARNING TECHNOLOGY (TCLT)

REPORT SUBMITTED BY: NIAN-SHING CHEN

KEY VOLUNTEERS (PLEASE LIST YOUR TC’S ExCom AND ANY OTHERS)

<table>
<thead>
<tr>
<th>Role</th>
<th>Name, Email</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Prof. Nian-Shing Chen, <a href="mailto:nschen@mis.nsysu.edu.tw">nschen@mis.nsysu.edu.tw</a></td>
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<td>Past Chairs</td>
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<td>Prof. Demetrios G. Sampson, <a href="mailto:sampson@unipi.gr">sampson@unipi.gr</a></td>
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New Initiative Chairs

- **Prof. Maiga Chang**
  - Athabasca University, Canada
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- **Prof. Michail N. Giannakos**
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- **Prof. Carlo Giovannella**
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- **Prof. Ronghuai Huang**
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- **Prof. Gwo-Jen Hwang**
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- **Prof. Sridhar Iyer**
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- **Prof Mohamed Jemni**
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- **Prof. Mike Spector**
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<tr>
<th>role</th>
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<tr>
<td>TCLT Awards Chairs</td>
<td>Prof. Ignacio Aedo, Member IEEE, Computer Science Department, Universidad Carlos III de Madrid, Spain</td>
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<td>TCLT Bulletin Editors</td>
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<td>TCLT Web Site Management Chair</td>
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# 2016 Progress Report & Plans

Please enlist your membership's participation in your plans for the coming year by suggesting upcoming opportunities for Volunteer involvement.

## Activity Area

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<th>Highlights: Highlights of the past year, and special plans underway for the coming year. Indicate if you’d be interested in formally sharing your success stories with other TC Chairs at an upcoming CS TAOC meeting.</th>
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<td><strong>2015 Accomplishments</strong></td>
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<td>During 2015, IEEE TCLT sponsored and organized two international conferences in the area of advanced learning technologies, which attracted about 550 researchers and academics from worldwide. This was a very promising number, which proves the high participation of TCLT members to the TCLT sponsored conferences and their motivation for sharing ideas and experiences of their research with other TCLT member in the Learning Technology field.</td>
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<td><strong>Conferences:</strong> Describe TC's sponsorship, co-sponsorship, or co-operation of conferences. Include any planned launches or discontinuations. Did the TC actively participate on any program committees, technical committees, or steering committees of these conferences?</td>
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<tr>
<td>During 2015, IEEE TCLT sponsored the following conferences:</td>
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<td>The members of the TCLT Executive Committee are always participating on the steering committee of the sponsored conferences. More specifically, at least one of the TC Chair, TC Vice-chair and TC Past Chair participates as General Chair or PC Chair of the sponsored conferences</td>
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**Communication:** Describe your TC’s communications strategy (including frequency) with your membership (eg, newsletters, listservs, blogs, Twitter, Facebook, letter from the Chair, Web portal, etc.) Include info on how to subscribe. Any updates or changes completed or planned for the coming year?

Please list your URL and the name & email of the Web master.

TCLT communication is achieved through:

- Continuous updates of the TCLT Web-Site (http://www.ieeetclt.org/), Web Master: Mr. Panagiotis Zervas (pzervas@iti.gr)
- TCLT discussion list (LEARNING-TECHNOLOGY@LISTSERV.IEEE.ORG), which includes 4012 subscribers
- TCLT Linkedin Group (http://www.linkedin.com/groups?home=&gid=2469009&trk=anet_ug_hm), which includes 1109 members
- The Learning Technology Newsletter (published every three months), which serves as a channel to keep everyone aware of Technical Committee’s activities and it is disseminated via TCLT Web-Site and TCLT discussion list

In 2016, it is expected to continue using the same communication channels.

**Opportunities for Volunteer Involvement:** Not applicable

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**Meetings:** Any TC meetings held/ planned? At what venue (at conferences, teleconferences, videoconferences?)?

- The TCLT executive committee organized one meeting in 2014. The meeting took place in conjunction with the flagship conference of TCLT, namely ICALT 2015 Conference in Hualien, Taiwan, 06-09 July 2015.

- In 2016, the TCLT executive committee will organize a meeting during ICALT 2016 Conference in Austin, Texas, USA, 25-28 July 2016

**Opportunities for Volunteer Involvement:** Not applicable

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**Publications:** Sponsored publications or hosted special issues of a Computer Society magazine? Plans for one?

Technical Committee on Learning Technology endorses a journal, which is jointly published by IEEE Computer Society and the IEEE Education Society. Furthermore, Technical Committee on Learning Technology publishes a bulletin to keep its members informed of what is happening in learning technology field worldwide besides documenting the efforts being made in this direction by the

In 2015, we have managed to interview many experts in learning technology field and the interview articles and videos are published at [http://ieeetclt.athabascau.ca/expert-interviews/](http://ieeetclt.athabascau.ca/expert-interviews/)

**List of Experts Interviews:**

- Ananth, M. S.
Technical Committee on Learning Technology. These publications are:

IEEE Transactions on Learning Technology (IEEE TrLT) (ISSN 1939-1382) Publisher: IEEE Computer Society and IEEE Education Society

IEEE Transactions on Learning Technologies (TrLT) is an archival journal published quarterly using a delayed open access publication model. TrLT covers research on such topics as Innovative online learning systems, Intelligent tutors, Educational software applications and games, and Simulation systems for education and training.

Bulletin of the Technical Committee on Learning Technology (ISSN 1438-0625) Publisher: IEEE Technical Committee on Learning Technology

The Bulletin of the Technical Committee on Learning Technology aims to report the activities of the Technical Committee on Learning Technology including various announcements, work in progress, projects, participation opportunities, additions/modifications to the Web-Site and so on. In short, it would serve as a channel to keep everyone aware of Technical Committee’s activities.

In 2016, we are planning to interview more experts in learning technology area and then publish interview articles on TCLT website to share with the community.
**Online research seminars:**

Following the success of the 2015 international online course on “The Frontiers of Learning Technologies in Global Context”, where more than 10 well-known experts from around the world conducted real-time interactive long-distance seminars. We are pleased to announce a new online course called “Innovations and Pedagogies in e-learning” is already taking place during March-July 2015 with a totally of over 100 enrollments.

This year’s new online course is endorsed by the IEEE Technical Committee on Learning Technology (IEEE TCLT) and will also serve as Beijing Normal University’s (BNU) international course 2016 on the theme “Authentic Learning through Advances in Technologies”.

Various topics we intend to cover under this theme are as follows:
- Designing authentic learning experience
- Transforming textbooks for authentic learning
- Assessment for authentic learning
- Learning analytics in authentic scenarios
- Optimizing learning environment for authentic learning
- Authentic learning scenario through augmented reality
- Open source hardware/software in authentic learning
- Policies to support authentic learning in schools

**Opportunities for Volunteer Involvement:** Not applicable

**Collaborative Efforts: Collaboration with other TCs, IEEE, or other groups or committees?**

During 2015, TCLT has intensified efforts for attracting representatives from industry, governmental bodies and policy makers by organising relevant workshops and inviting speakers from these user groups. These participants are attracted by the IEEE TCLT’s sponsored conferences because they want to be informed about the current research developments in the field of Advanced Learning Technologies and Technology-Enhanced Learning.

During 2016, it is expected that the same policy with last year will be followed. Moreover, the flagship conference of TCLT, namely ICALT 2015 Conference in Austin, Texas, USA, 25-28 July 2016. It will include an executive summit to visit decision makers in e-Learning policy and CEO of e-Learning industry in USA.

**Opportunities for Volunteer Involvement:** Not applicable

**Awards and Recognition: Describe your TC’s awards activities – given and planned.**

- Prof. Chin-Chung Tsai and Prof. Chih-Hung Lai were presented a certificate of appreciation for both of their efforts.

- During 2016, Prof. Paul Resta and Prof. Phil Long will be presented a certificate of appreciation for both of their efforts towards organization of the 16th

- Moreover, Prof. Durvasula Somayajulu was awarded a certificate of appreciation for her efforts towards organization of the 7th IEEE International Conference on Technology for Education that held in Amrita University, NIT Warangal, India, Dec 10-12, 2015.

- Moreover, Prof. Srider Iyer and Prof. Kannan Moudgalya will be presented a certificate of appreciation for her efforts towards organization of the 8th IEEE International Conference on Technology for Education that will be held in IIT Bombay, Mumbai, India, 2015.

International Conference in Advanced Learning Technologies (ICALT 2016) that will be held in Austin, Texas, USA, 25-28 July 2016.

- We will again call for applications for these two awards in 2016.

**Young Researcher Award and Student Travel Award**

1. TCLT Young Researcher Award status report (Ignacio & Chen-Chung).
   
   Around 15 application were received; two Young Researcher Award have been selected in 2015. Awards were given to the recipients during the banquet of ICALT2015.

2. TCLT Student Travel Awards report (Nian-Shing)
   
   Two travel award winners have been selected in 2015. Awards were given to the recipients during the banquet of ICALT2015.

**Facebook Page**

- IEEE TCLT has launched a Facebook Page in 2014.
- IEEE ICALT Conference has also got Facebook Page starting from 2014.

**Concerns:** Share your TC-related concerns with your members.

- There were not any concerns or problems during 2015
- The same applies for 2016 until now
Opportunities for Volunteer Involvement: Not applicable

Reports will be posted on the TC’s Computer.org “Scope Page”.