

Call for Contributions

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=PATTERNS+2018+Special>

Please select Track Preference as **EAPIDA**

Special track

EAPIDA: Educational Applications: Patterns for Intelligent Dialogue Agents

Dr Karen Hunsdale, University of Winchester, UK

Karen.hunsdale@winchester.ac.uk

along with

PATTERNS 2018, The Tenth International Conference on Pervasive Patterns and Applications

<http://www.iaria.org/conferences2018/PATTERNS18.html>

Intelligent dialogue agents enable natural language communication with their human participant. The use of such agents can be applied to educational settings to better support teaching and learning and provide alternative learning environments. Using intelligent dialogue, a student can perceive the agent as a learning companion and one, which can converse in much the same way as a teacher to encourage independence and problem solving skills. The agent's intelligence applying adaptive learning methodologies can accompany the student through the developmental process 'learning' what the students knows, their interests and learning style.

There is enormous potential for such research that remains undiscovered along with its associated benefits and ethics. Artificial intelligence will empower teachers, which will better inform them on how to manage the learning of their students. Exploring the use of patterns within dialogue will provide a means to enhance the learning experience and provide a natural dialogue.

Topics include, but not limited to:

- Artificial intelligence;
- Conversational agents
- Qualitative temporal reasoning;
- Scheduling;
- Smart-type reasoning;
- Natural language processing;
- Semantics;
- Educational tools;
- Pattern matching algorithms.

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: Nov 3, 2017
- Notification: Dec 3, 2017
- Registration: Dec 17, 2017
- Camera ready: Jan 15, 2018

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=PATTERNS+2018+Special>

Please select Track Preference as **EAPIDA**

Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

Chair: Karen Hunsdale, Karen.hunsdale@winchester.ac.uk

Logistics: steve@iaia.org