



TEXT MINING SUMMIT 2015

12-14th Oct, Newport, RI, USA

Hands-On Training Workshop Sessions: Descriptions and Selection Guide

This document is designed to help registered attendees for the Linguamatics Text Mining Summit and I2E Healthcare Hackathon choose the most appropriate hands-on training workshops. There are 12 workshops available to attend during the Text Mining Summit.

Registered attendees will be sent an invitation to an Eventbrite page where they can choose what events and workshops they would like to attend. This information will shape your personalized schedule at the conference.

You can choose up to 4 workshops to attend across the Monday and Wednesday sessions; 2 sessions will run on Monday afternoon and 2 sessions will run on Wednesday afternoon, and **you can choose 1 workshop per session**. Each session will be 1.5 hours.

To help you make your selections, we've provided some recommendations below based on experience levels and interests. You can, of course, choose a different combination if you like.

Recommended workshop selections

For those who are completely new to querying with I2E:

- Session 1: Introduction to I2E (Life Sciences), **or** Introduction to I2E (Healthcare)
- Session 2: Introduction to I2E (Life Sciences) continued, **or** I2E Administration
- Session 3: I2E for Intermediate Users, **or** Introduction to WSAPI
- Session 4: Querying Different Sources

For users who already have experience of querying with I2E:

- Session 1: Querying Clinic
- Session 2: Query Engineering, **or** I2E Administration
- Session 3: I2E for Intermediate Users, **or** Exploiting Recent I2E Features, **or** Introduction to WSAPI
- Session 4: Querying Different Sources, **or** Linguistic Processing in I2E

For those interested in I2E Administration and/or using the Web Services API:

- Session 2: I2E Administration
- Session 3: Introduction to WSAPI
- Session 4: Hands-On WSAPI

Workshop descriptions and selection guide

	Workshop	Learning outcomes	Who should attend
Session 1			
Monday October 12, 1:30 - 3:00pm			
1A	<p>Introduction to I2E (Life Sciences) <i>Jeff Nauss</i></p> <p>Querying with I2E 4.3 tutorial, using an index of life science literature abstracts.</p>	Learn the basics of querying I2E.	For life scientists and others who are completely new to I2E.
1B	<p>Querying Clinic <i>Jim Dixon</i></p> <p>Interactive Q&A, based on issues/topics submitted by attendees in advance plus querying hints and tips from the experts.</p>	Develop your querying with I2E.	<p>For any users who have previously completed the initial "Querying with I2E" tutorial. Note that as this session is participant-led the topics covered may range from intermediate to advanced.</p> <p>If you select 1B, you can submit questions or topics for the session agenda to training@linguamatics.com by the end of September, nothing confidential please.</p>
1C	<p>Introduction to I2E (Healthcare) <i>Tony Wu</i></p> <p>Querying with I2E 4.3 tutorial, using a sample index of medical records.</p>	Learn the basics of querying I2E.	For those working in healthcare who are completely new to I2E.
Session 2			
Monday October 12, 3:30 - 5:00pm			
2A	<p>Introduction to I2E (Life Sciences) continued</p>		For those who attended the Introduction to I2E in Session 1.
2B	<p>Query Engineering <i>Jim Dixon</i></p> <p>Query Engineering tutorial, including strategies for precision and recall.</p>	Develop your querying with I2E.	For experienced users who are interested in improving their query development strategies.
2C	<p>I2E Administration <i>Sanmitra Bhattacharya</i></p> <p>Presentation of topics such as managing I2E, using ontologies, making indexes, managing user accounts and access.</p>	Learn about I2E Administration.	<p>For anyone who either attended the Introduction to WSAPI session, or has prior experience with a RESTful API.</p> <p>If you select 2C, please indicate your level of prior experience with I2E Administration and (optional) note any specific aims, topics or questions to inform the facilitator in advance.</p>

Session 3**Wednesday October 14, 1:00 - 2:30pm**

3A	I2E for Intermediate Users <i>Jeff Nauss</i> Intermediate querying tutorial, covering additional features and strategies.	Develop your querying with I2E.	For any users who have previously completed the initial "Querying with I2E" tutorial, including new users who attended Session 1.
3B	Exploiting Recent I2E Features <i>David Milward</i> Presentation of new and improved features in the I2E 4.3 and 4.4 releases.	Develop your querying with I2E.	For experienced users who are interested in discussing recent and upcoming developments in I2E.
3C	Introduction to WSAPI <i>Sanmitra Bhattacharya</i> Overview of integration and automation via the Web Services API.	Learn the basics of the Web Services API.	For anyone who is interested in gaining an overview of the WSAPI.

Session 4**Wednesday October 14, 3:00 - 4:30pm**

4A	Querying Different Sources <i>Jim Dixon</i> Presentation of useful content sources and query strategies for various I2E OnDemand indexes such as OMIM, NIH Grants (NIH RePORTER) and FDA Drug Labels (DailyMed).	Develop your querying with I2E.	For any users who have previously completed the initial "Querying with I2E" tutorial, including new users who attended Session 1. During the session you will have access to try queries in the various indexes being discussed.
4B	Linguistic Processing in I2E <i>David Milward</i> Presentation by the Linguamatics CTO of text mining aspects including part-of-speech tagging and chunking, class matching, and disambiguation.	Develop your understanding of how I2E understands text.	For advanced I2E users or relevant specialists new to I2E who are interested in the natural language processing (NLP) approaches used by Linguamatics.
4C	Hands-On WSAPI <i>Sanmitra Bhattacharya</i> Tutorial covering practical uses of the Web Services API.	Hands-on practice with the Web Services API.	For developers with any level of experience with I2E WSAPI. If you select 4C, please indicate your level of prior experience with the I2E WSAPI and (optional) note any specific aims, topics or questions to inform the facilitator in advance.