STMC 2019 Workshop Selection Guide

This document is designed to help registered attendees for the Linguamatics Text Mining Summit choose appropriate workshops.

Each of the three workshop sessions include several tracks running in parallel. **Please choose one workshop from each session**.

To help you make your selection, we've provided some recommendations below, based on experience levels and interests. You can choose a different combination and you can discuss your preference with Linguamatics before filling in the selection form.

Workshop Recommendations

For those who are **completely new** to querying with I2E, we recommend **Track A**, including:

- Workshop 1A: Introduction to I2E (Life Sciences and Healthcare)
- Workshop 2: I2E Web GUI Hands on Session
- Workshop 3A: Out-of-the-Box Queries
- Workshop 4A: Introduction to I2E (Continued) and I2E Query User Certificate Exam

For users who **have some experience** of querying with I2E, we recommend **Track B**, including:

- Workshop 1B: Linguamatics I2E Query Hackathon
- Workshop 2: I2E Web GUI Hands on Session
- Workshop 3B: What's New in I2E
- Workshop 4B: Query Engineering

For those interested in Automating I2E, we recommend **Track C**, including:

- Workshop 1C: Automating I2E – Introduction and I2E AMP
- Workshop 2: I2E Web GUI Hands on Session
- Workshop 3C: Automating I2E – Workflow Tools (Pipeline Pilot & KNIME Nodes)
- Workshop 4C: Automating I2E – SDKs

	Track A	**Track B**	**Track C**
Session 1 (Wednesday, 1:00 – 5:00)	1A: Introduction to I2E	1B: Linguamatics I2E Query Hackathon	1C: Automating I2E - Introduction and AMP
Session 2 (Friday, 8:30 – 9:00)	2: I2E Web GUI Hands on Session		
Session 3 (Friday, 9:00 – 10:30)	3A: Out-of-the-Box Queries	3B: What's New in I2E	3C: Automating I2E - Workflow Tools (Pipeline Pilot & KNIME Nodes)
Session 4 (Friday, 11:00 – 12:30)	4A: Introduction to I2E (Continued) and I2E Query Certificate Exam	4B: Query Engineering	4C: Automating I2E - SDKs

Workshop Descriptions

Session 1 Wednesday, March 20 1:00pm - 5:00pm		
Workshop	**Learning outcomes**	**Who should attend**
1A **Introduction to I2E** *with John Haldoupis* Including an introductory presentation and opportunity to work through one or more printed tutorials at your own pace, with I2E experts available to address your own questions throughout the workshop.	Learn the basics of querying with I2E. Have an opportunity to ask your questions about text mining with I2E.	For anyone who is completely new to I2E, or who has not yet worked through the level 1 querying tutorial.
1B **Linguamatics I2E Query Hackathon** *with David Milward* The hackathon aims to show how we could investigate the effect of smoking vs. genetic factors for dementia. The first part involves development of a query to find mutations associated with dementia. The second part involves development of a query to decide whether a patient is a smoker, non-smoker or former smoker, and evaluate against existing gold standard data. After each part of the hackathon we will discuss approaches that could have been taken, and any lessons from the participants.	Advance your skills in querying with I2E. Learn to use gold standard data for evaluation and query development. Share best practice.	For existing I2E users willing to work in teams to solve real-life challenges through hands-on use of I2E. Teams will be formed at the start of the event, depending on the number of attendees and their I2E experience. Note that, depending on progress and interest, the Hackathon event end time may be extended later than 5pm.
1C **Automating I2E - Introduction and AMP** *with Marco Vicente* Overview of automation options with I2E and how the WSAPI works. Tutorial covering practical uses of the Asynchronous Messaging Pipeline (AMP).	Have an opportunity to ask your questions about your own applications for I2E, and your questions about your own Extract, Transform and Load (ETL) applications.	For developers with any level of experience with the I2E WSAPI, and for users who would like to implement AMP into their ETL workflows.

Session 2		
Friday March 22, 8:30am – 9:00am		
Workshop	**Learning outcomes**	**Who should attend**
2 **I2E Web GUI Hands on Session** *with David Milward and Paul Milligan* Try out a pre-release version of the I2E Web GUI, with David Milward and Paul Milligan on-hand to answer any questions.	Familiarize yourself with the new I2E Web GUI, which will replace the Java Client Pro interface later in the year.	No previous experience with I2E required, but it would be useful to have completed the level 1 querying tutorial.

Session 3		
Friday March 22, 9:00am – 10:30am		
Workshop	**Learning outcomes**	**Who should attend**
3A **Out-of-the-Box Queries** *with Andrew Hinton* Covering I2E queries provided by Linguamatics (Life Sciences, Patents, Clinical Trials, FAERS, Healthcare transcripts samples), including strategies for various use cases, with querying hints and tips from the experts.	Develop your knowledge of the pre-built queries available to you. Learn about the benefits of reusing queries and ask your questions about I2E.	No previous experience with I2E required, but it would be useful to have completed the level 1 querying tutorial.
3B **What's New in I2E?** *with David Milward* Following David's overview presentation on Thursday, new features will be presented in more detail, with time for Q&A and some hands-on access to those new features.	Become familiar with new I2E features. Have an opportunity to give feedback on new I2E features.	For experienced users interested in the I2E product roadmap and new developments in text mining.
3C **Automating I2E – Workflow Tools** *with Paul Milligan* Tutorial covering practical examples of building workflows in Pipeline Pilot and KNIME Nodes, which use I2E.	Learn about using I2E with Pipeline Pilot and KNIME Nodes. Have an opportunity to ask your questions about your own workflows.	For users with any level of experience with KNIME Nodes and/or Pipeline Pilot.

Session 4 Friday March 22, 11:00am – 12:30am			
Workshop		**Learning outcomes**	**Who should attend**
4A	**Introduction to I2E (Continued) and I2E Query Certificate Exam** *with John Haldoupis and Kirsten McLaughlin* Following on from workshop 1A on Monday, providing an opportunity to continue working through tutorials at your own pace, with I2E experts available to address your own questions throughout the workshop. Once you are done the tutorial, you can attempt the Query User or Query Creator Certificate exam, which should take no more than 45 minutes.	A list of learning objectives for the Query Certificate will be available prior to the exam.	The Query User Certificate Exam will be open to those who have just taken the Introduction to I2E courses, as well as more established users.
4B	**Query Engineering** *with David Milward* How can we develop queries with high precision and high recall? This workshop will look at data driven strategies to ensure good results. It will also show how you can estimate precision and recall without a gold standard, as well as showing fast ways to create a gold standard when required.	Learn techniques for better query development and evaluation	For existing I2E users.
4C	**Automating I2E – SDKs** *with Paul Milligan* Tutorial covering practical uses of the I2E Client Software Development Kits (SDKs), Extraction And Search Language (EASL).	Learn about I2E's Client SDKs. Have an opportunity to ask your questions about your own applications for I2E.	For developers with any level of experience with the I2E WSAPI or SDKs.