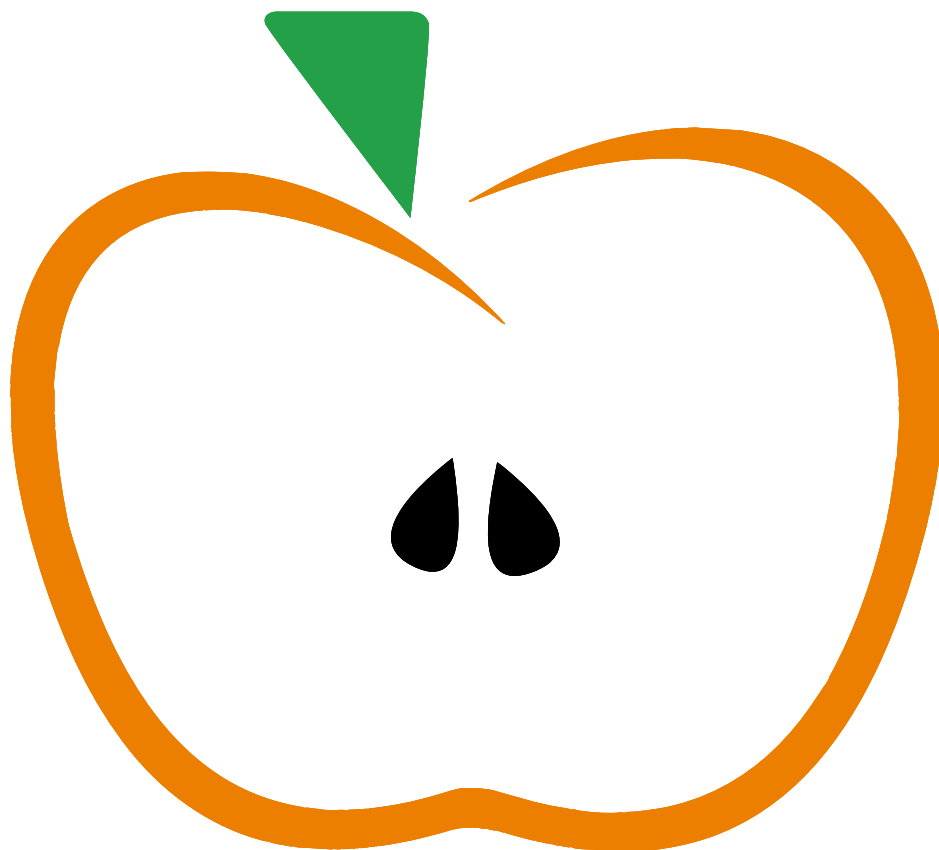


#aplseeds

DYALOC

APL Seeds 2023

Programme for APL Seeds '23



Wednesday 22 March 2023

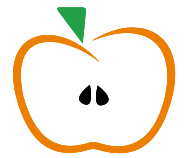
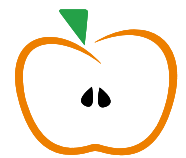


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Schedule: Wednesday 22 March

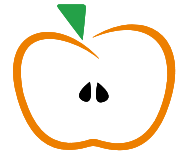
14:00 – 14:40	(D01) The Heart of the Algorithm Rich Park
14:40 – 15:10	(D02) But How Will I Remember All Those Squiggles?! — APL Mnemonics Adám Brudzewsky
15:10 – 15:40	(U01) Why Would a Non-Programmer Learn APL? Richard Savenije (Movares)
15:40 – 16:00	<i>break</i>
16:00 – 16:50	(U02) Doing Boring Stuff in APL Stefan Kruger (IBM)
16:50 – 17:40	(D03) Getting Work Done with APL Josh David

An informal discussion for anyone interested will take place on Zoom immediately after the closing session (host: Rich Park):

- Meeting ID: 811 613 425 78
- Passcode is the result of $\times/2023\ 3\ 22$

For Dyalog presentation abstracts see page 3.

For user presentation abstracts see page 4.



Abstracts: Dyalog Presentations

D01: The Heart of the Algorithm

Rich Park

As a general purpose programming language, the question "what is APL good for?" doesn't have a single concise answer – its terse syntax and highly-composable primitives make it ideal for exploratory programming in a wide range of domains. Rich covers one possibility as he introduces APL using a problem with an elegant solution highly suited to APL's array processing capabilities.

Keywords: data processing, outer product, array thinking.

D02: But How Will I Remember All Those Squiggles?! — APL Mnemonics

Adám Brudzewsky

Mnemonics (techniques for remembering) will assist you in learning the meaning of APL glyphs and where to find them on your keyboard. Both of these skills are essential for an effective APL programmer. Adám illustrates some examples that you'll never forget, and shows you where to find more.

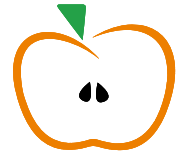
Keywords: aide-mémoire, studying, typing, glyphs.

D03: Getting Work Done with APL

Josh David

Code golfing (that is, trying to write expressions using the fewest possible number of characters) a line of APL is fun, but what if you want to get real-world tasks done with this language? Josh takes a look at some of the more practical tooling that Dyalog has built on top of the core language, especially ways to ingest data from difference sources. He also explores what a full-stack commercial APL application can look like.

Keywords: data import/export, file storage, databases, GUI.



Abstracts: User Presentations

U01: Why Would a Non-Programmer Learn APL?

Richard Savenije, Movares (Netherlands)

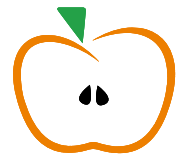
25 years ago, Richard discovered some strange glyphs and thought that there must be a good reason why people were using such a strange-looking programming language. A year ago he finally decided to investigate further, and his investigations have taken him somewhere completely different to his expectations. Instead of just learning a programming language, he has found that APL has taught him to think in different ways and to return to the fundamentals of the problems that need to be solved. He discovered how rewarding it is when you start to understand the concept, and that there's an active and enthusiastic community who can assist when you have questions and challenge you to do even better.

Richard tells the story of how he ended up using APL and why, even as a non-IT person, it is helping him in his daily job

U02: April: An APL Compiling To Common Lisp

Stefan Kruger, IBM (U.K.)

Stefan shows how you can do "boring stuff" in APL, the sort of stuff you might not think it's suitable for, such as talking to web services and dealing with JSON data. He'll demonstrate the user commands that fetch data from an HTTP API to enable easy further processing inside an APL session



The Presenters



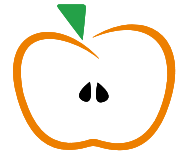
Adám Brudzewsky is a developer in the Tools Group within Dyalog Ltd. He regularly teaches and speaks about APL and array programming to both beginners and more advanced users, through workshops, presentations, webinars, webcasts, blog posts, APL Wiki articles, podcasts, and answering questions on Stack Exchange; he also develops various tools, including the [APLcart code phrase collection](#). He can often be found in the [APL Orchard chat room](#) and [APL Farm Discord/Matrix channels](#).



Josh David is a consultant to clients who use APL for production applications. He also is involved with the Tools Group within Dyalog Ltd.



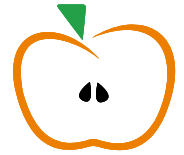
Rich Park is one of the main APL instructors at Dyalog Ltd. He has taught APL at multiple schools, created an [online self-study course](#), and is a regular host of [Dyalog webinars](#).



Richard Savenije is a project director at an engineering and consulting firm – he does not use computers other than for text editing, working with spreadsheets, and sending emails. However, he was attracted by APL's back-to-basic conceptual design and "nice glyphs".



Stefan Kruger likes learning lesser-known programming languages, and discovered APL in about 2017. He's an occasional contributor to [Dyalog's blog](#), and an enthusiastic promoter for APL on the Mac. He holds a PhD in Computer Science, and works for IBM making databases.



Miscellaneous

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