

Tech Talks

Why:	Technology/Technical Talks to learn, explore best practices from innovators, practitioners and exemplar projects that have relevance to CyVerse activities
What:	45 min presentation followed by 15 min Q&A
When:	Regular talks are scheduled alternating Wed. at 12:00 Pacific/3:00 Eastern, depending on availability of presenters and their home timezone we also schedule ad-hoc sessions
Where:	Hosted from Keating 433 at UA
Web Conf:	Web connection details to be provided (probably Zoom) (Note: see the URL/Link column in case there are issues connecting)
Who:	All interested developers, scientists and team members.

Tech Talks for 2018 Spring/Fall

Date	Presenter	Institution/Title	Host	URL/Link	Abstract/Notes
Thurs., Feb 1, 12:00 PM MST	Andrew Lenards	CyVerse / Rough has advantages download video - download audio (only)	Julian Pistorius	slides references	How to use simple drawings to elicit feedback and make your ideas better
Thurs., Feb 8, 12:00 PM MST	Ken Youens-Clark, Matt Bomhoff	iMicrobe and Elm - A Successful Rewrite (Hurwitz Lab)	Julian Pistorius	download video slides	How this one trick (a statically typed, pure, functional programming language) can rekindle your joy for front-end programming, and give you superhuman powers
Thurs., Feb 15, 12:00 PM MST	Andrew Lenards	Serverless: What if it was OpsDev all this time?	Julian Pistorius	download video audio slides	Lambda, serverless, FaaS and so much more. Andy has done the legwork for us, and has some recommendations on suitable projects for this new way of building & deploying software.
Thurs., Mar 1, 3:30 PM MST	Vince Catalano	Python Persistence Patterns	Ailene Yee, Paul Sarando	download video audio	Persistence patterns, ORMs, CQRS, and event-sourcing
Thurs., Mar 15, 12:00 PM MST	Nathan Hruby	PySpark for DevOps	Ailene Yee, Paul Sarando	download video audio	Using PySpark to process unstructured datasets
Thurs., Apr 19, 12:00 PM MST	Tharon Carlson (CyVerse)	CSS in Components, Removing side effects and taming the beast	Julian Pistorius	download video	As programmers we know that global variables are to be avoided and that constraints work better than discipline. We also know that side effects make testing hard and applications brittle. No wonder CSS can be so painful at scale, these things we know to be bad are literally how CSS works. Let's look at the common ways these problems are tackled today, why they still don't address the elephant in the room and how moving CSS into our components does.

Thurs., Aug 2, 12:00 PM MST	Iqbal Hossain	Run Your First Deep Learning Model Using TensorFlow	Ailene Yee, Julian Pistorius	download video audio presentation	Curious about machine learning? Iqbal provides us with a presentation and demo on how to run your first deep learning model using the open-source TensorFlow! No need for prior experience in the subject area.
Thurs., Aug 23, 12:00 PM MST	Dennis Hoer	Continuous Integration and Testing with Docker	Julian Pistorius, Ailene Yee, Paul Sarando	download video audio slides	Dennis covers practical techniques for building continuous integration pipelines with Docker and Jenkins, including how to package and deploy Jenkins servers in Docker. Inception Alert.

Tech Talks for 2019 Spring/Fall

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Thurs., Feb 21, 12:00 PM MST	Mike W	Nix: the purely functional package manager	Julian Pistorius, Ailene Yee, Paul Sarando	download video	This talk examined some issues with the way software deployments are currently managed, discussed how the “purely functional” approach of the Nix package manager addresses many of these problems, gave a crash-course introduction to working with Nix, and covered some limitations and caveats to using Nix.
Thurs., Feb 28, 12:00 PM MST	Jan Jorgensen	How to Learn Anything and Teach Programming	Julian Pistorius, Ailene Yee, Paul Sarando, Chris Martin	download video audio slides	How can you learn faster and better, and then transfer that hard-won knowledge to your organization or community through effective teaching methods?