

## Advanced Bash Scripting + Exercises

*Friday, April 11, 2025 9:30 AM (2 hours)*

- Bash and shell features and utilities:
  - reading the bash manual
  - conditionals and looping beyond for loops
  - functions
  - arrays
  - using the terminal even more efficiently
  - more advanced shell tools and their composability
- Discussion about workflows
- Bash/Job scripting: \* asynchronous \* signal handlers: trap \* composability of bash \* Special filesystems  
\* Job Chaining and job dependencies \* Coalescing work together: gnu parallel
- Discussion of alternatives

**Presenter:** MESITI, Michele (KIT)