Prior work on Live Programming (LP) systems

- **Programmers** are responsible for the entire program including its logic and parameters
- **End-users** (program users) usually cannot access the source code nor edit it
- Parameter tuning interfaces are intuitive enough for the users - why not liberate them?

The unified environments allow Live Tuning by users to customize programs.

Live Tuning: yet another layer of user interface in LP systems

- **Programmers** can gain help from users to explore appropriate parameter values
- **End-users** can customize the program extensively yet without worries of breaking it

Example IDEs that support Live Tuning: typically web-based due to its collaborative nature

- IDE for video authoring: [http://textalive.jp](http://textalive.jp)
- IDE for Internet of Things: [http://f3js.org](http://f3js.org)

More details and links to working examples on [http://junkato.jp/live-tuning](http://junkato.jp/live-tuning)