

Juliacon Proceedings in Quarto

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ABSTRACT

This document is a Quarto template demonstrating the `juliacon-proceedings` format. 9

Keywords

Template, Demo, Quarto, JuliaCon

1. Introduction

TODO Create a template that demonstrates the appearance, formatting, layout, and functionality of your format. Learn more about journal formats at <https://quarto.org/docs/journals/>.

1.1 Proof-of-Concept

This is a proof-of-concept for how we could use Quarto for JuliaCon proceedings. For current submissions, please ignore this repo and follow the official instructions [here](#).

1.2 Executable Code

Ideally, we would be able to tab into Quarto's existing support for executable, cross-referenceable code chunks.

To create cross-referenceable code listings from executable code blocks, use `lst-label` and `lst-cap`. — [Quarto Docs](#)

For example, the following code block will be labeled as `lst-1` and calling `@lst-1` will render as Listing 1. This ensures that things stay up-to-date and potential errors in the code are identified early: as you render your document, the code will be executed and the output will be inserted into the document.

Listing 1 A listing caption

```
using Plots
```

```
x = -3.0:0.01:3.0
y = rand(length(x))
plot(x, y)
```

Unfortunately, I don't know how to use the special environment that is already defined for Julia in this context.

1.3 Code Listings

The special environment that is already defined for Julia code can still be used as before.

```
\begin{lstlisting}[
  language = Julia,
  numbers=left,
  label={lst:exmplg},
  caption={Example Code Block.}
]
using Plots

x = -3.0:0.01:3.0
y = rand(length(x))
plot(x, y)
\end{lstlisting}
```

Listing 1: Example Code Block.

```
1 using Plots
2
3 x = -3.0:0.01:3.0
4 y = rand(length(x))
5 plot(x, y)
```