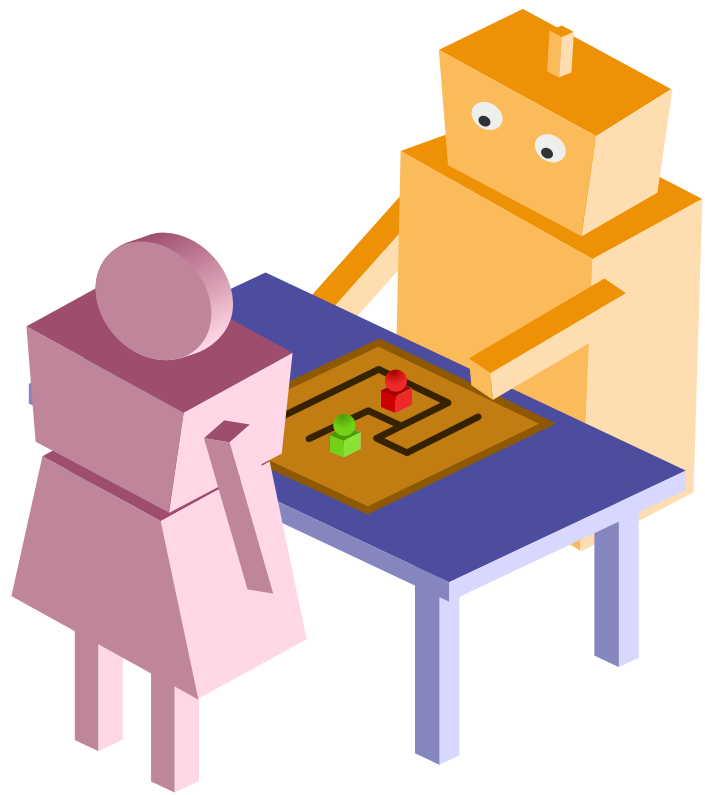
ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

HRI Beamer Theme

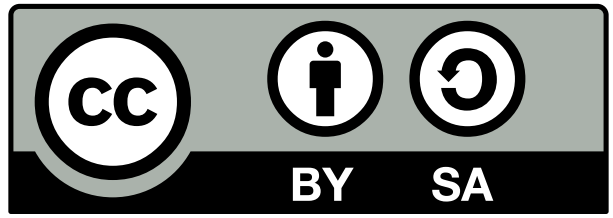
Demo Presentation

September 15, 2016



Séverin Lemaignan

Computer-Human Interaction
for Learning and Instruction **EPFL**



You can download the sources of this presentation here:
https://github.com/severin-lemaignan/hri-beamer-theme

OVERVIEW

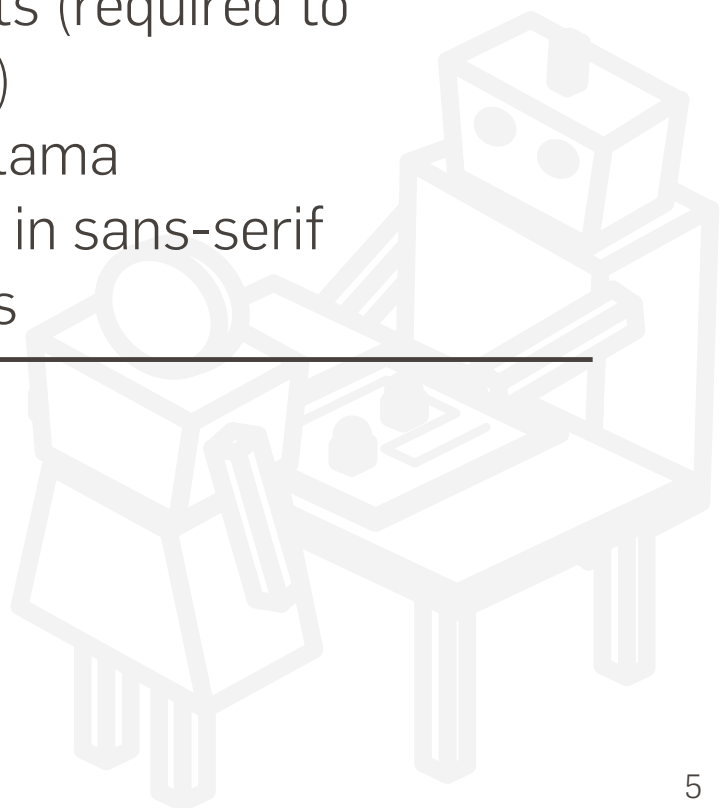
1. Introduction

2. Content Examples

INTRODUCTION

THEME OPTIONS

Option	Effect
`basicfont`	Use default Latex fonts (required to compile with pdflatex)
`noflama`	Use Arial instead of Flama
`noserifmath`	Math formula typeset in sans-serif
`nosectionpages`	No inter-section pages



COLORS 1/2

hriRed

hriRedDark

hriWarmGreyDark

hriWarmGreyLight

hriRed

hriRedDark

hriWarmGreyDark

hriWarmGreyLight

COLORS 2/2

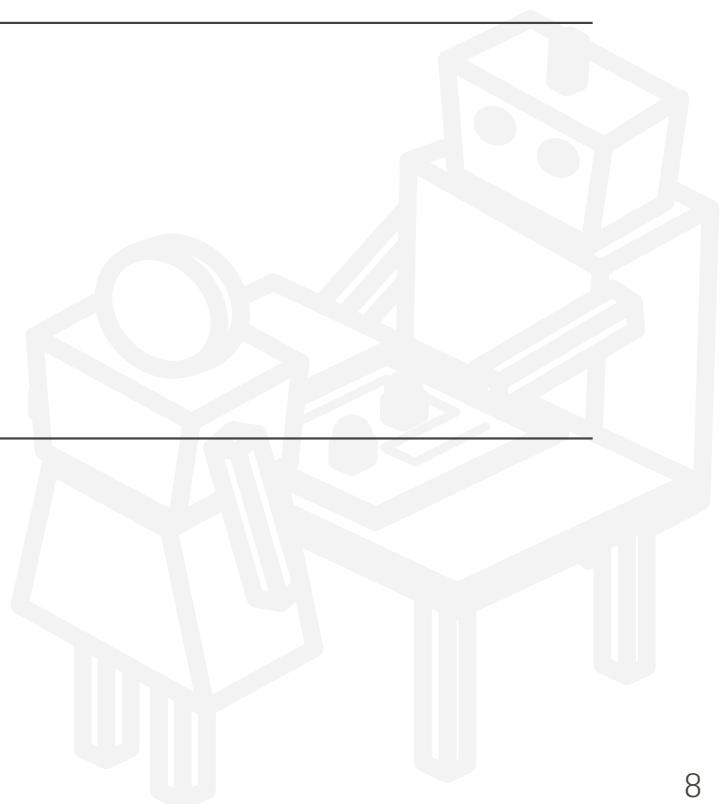
hriSec1	hriSec1
hriSec1Dark	hriSec1Dark
hriSec1Comp	hriSec1Comp
hriSec1CompDark	hriSec1CompDark
hriSec2	hriSec2
hriSec2Dark	hriSec2Dark
hriSec2Comp	hriSec2Comp
hriSec2CompDark	hriSec2CompDark
hriSec3	hriSec3
hriSec3Dark	hriSec3Dark
hriSec3Comp	hriSec3Comp
hriSec3CompDark	hriSec3CompDark

CODE

A slide with some code. C++, Python, `sh` and XML are pre-configured.

```
        def print_hello():
        print("Hello World!")


        if __name__ == "__main__":
        print_hello()
```



BLOCKS

Alert block

Aaaaaaagh!

Example block

Oooooohh!

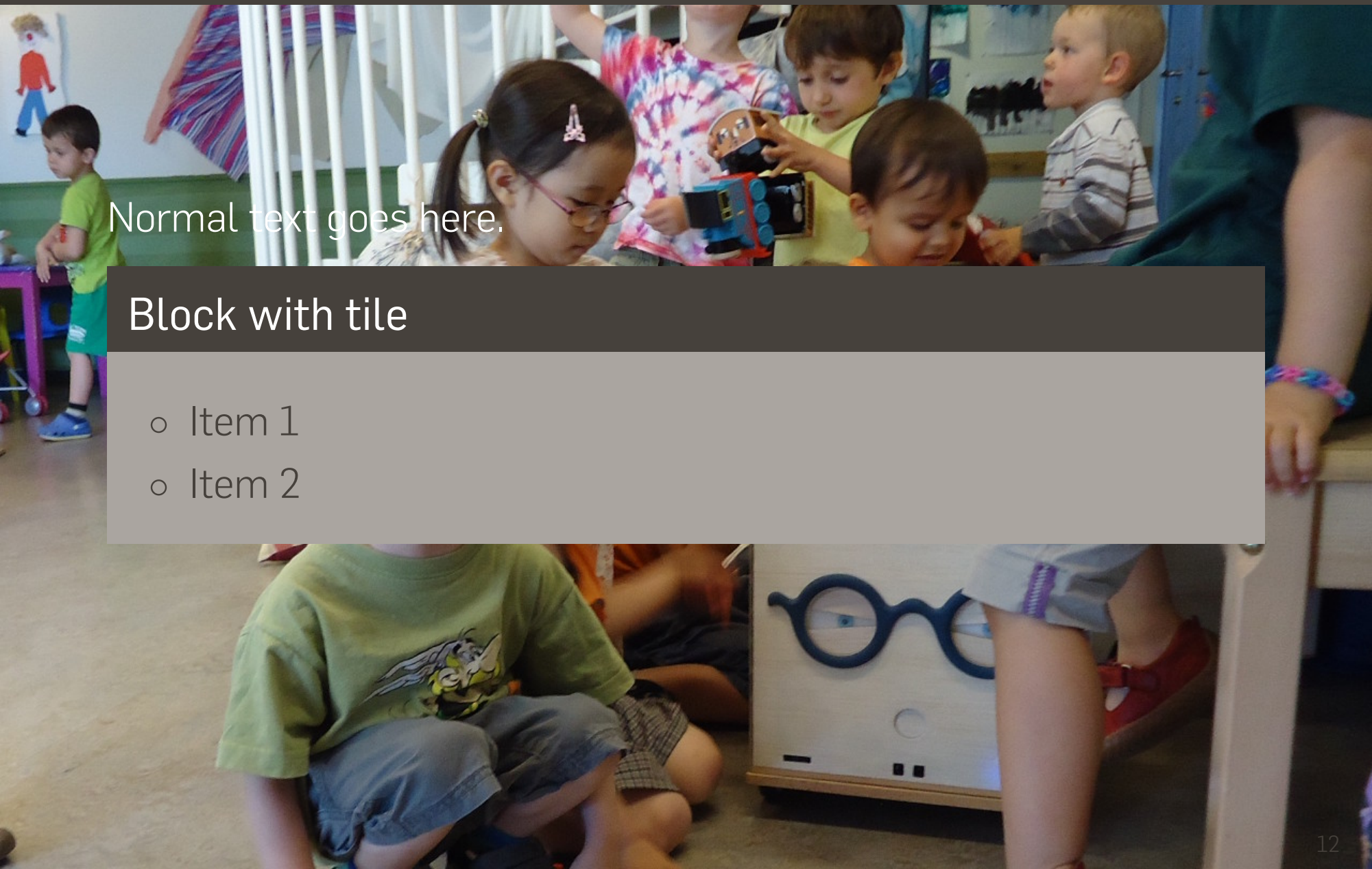
Block with custom color

Oulala!

CONTENT EXAMPLES

PICTURE WITH CREDIT LINE

FULLSCREEN PICTURE/GRAPHIC



Normal text goes here.

Block with tile

- Item 1
- Item 2

Children playing with the Ranger robot

PLOT WITH CAPTION

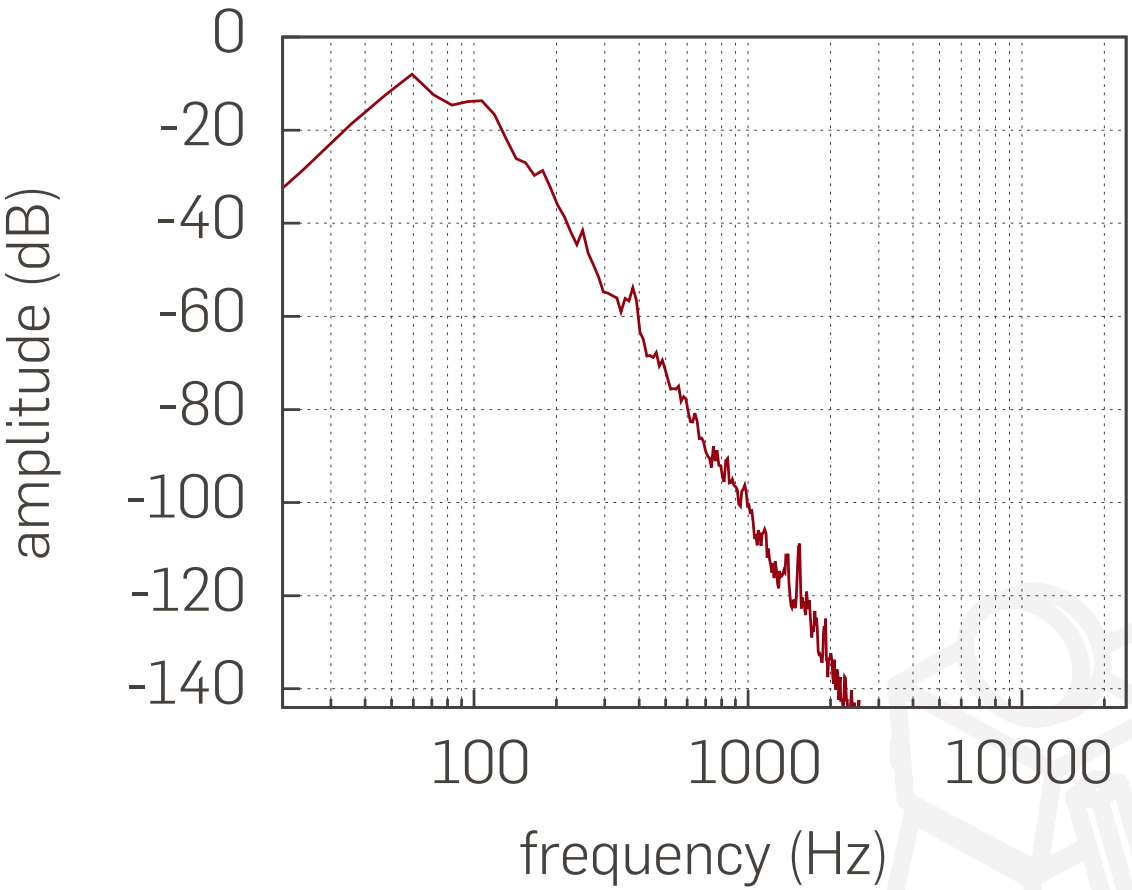


Figure: LFE channel frequency spectrum

TABLE

Table: Selection of window function and their properties

Window	First side lobe	3 dB bandwidth	Roll-off
Rectangular	13.2 dB	0.886 Hz/bin	6 dB/oct
Triangular	26.4 dB	1.276 Hz/bin	12 dB/oct
Hann	31.0 dB	1.442 Hz/bin	18 dB/oct
Hamming	41.0 dB	1.300 Hz/bin	6 dB/oct

MATHS

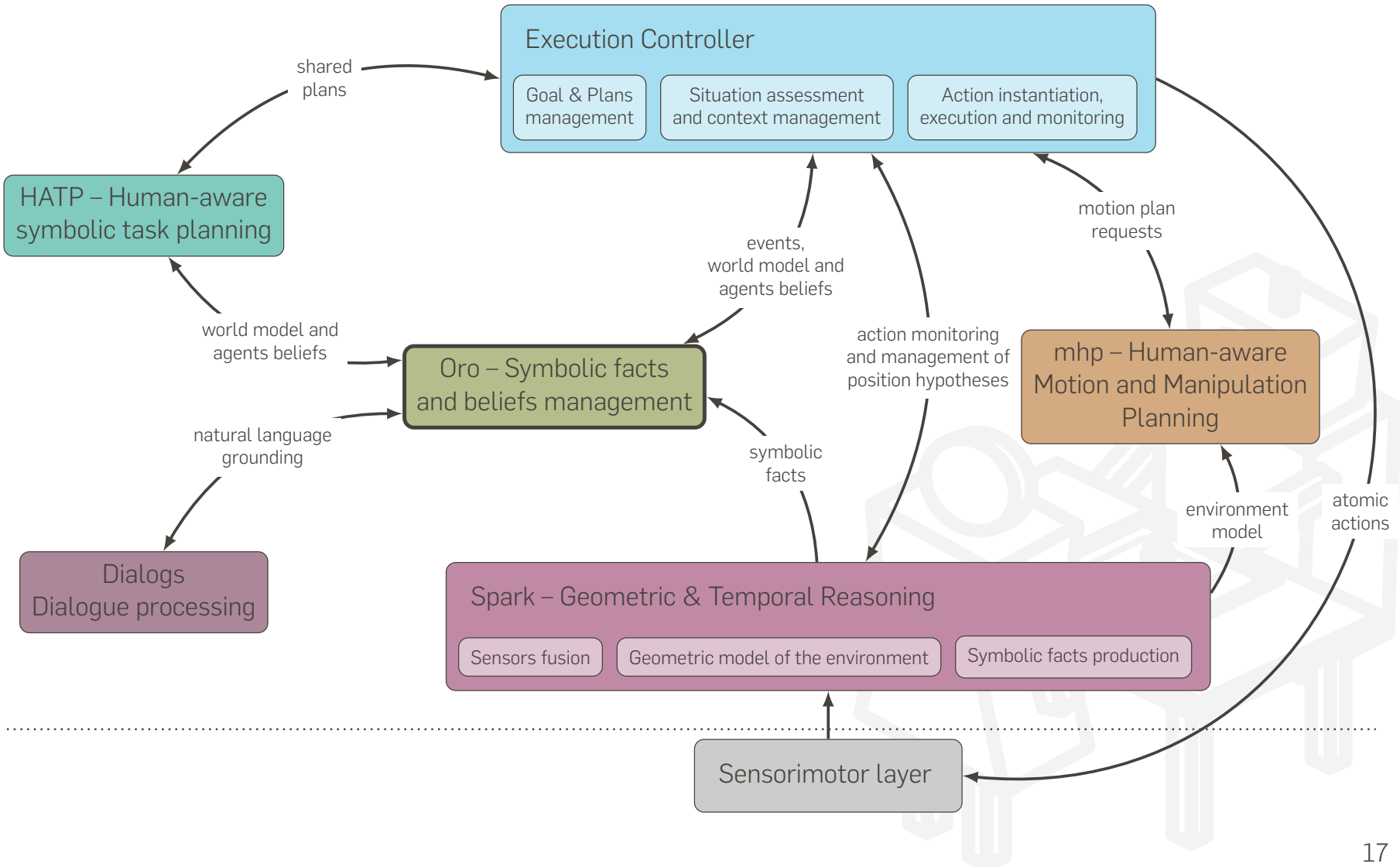
Fourier Integral

$$F(\mathrm{j}\omega) = \int_{-\infty}^{\infty} f(t) \cdot \mathrm{e}^{-\mathrm{j}\omega t} dt$$

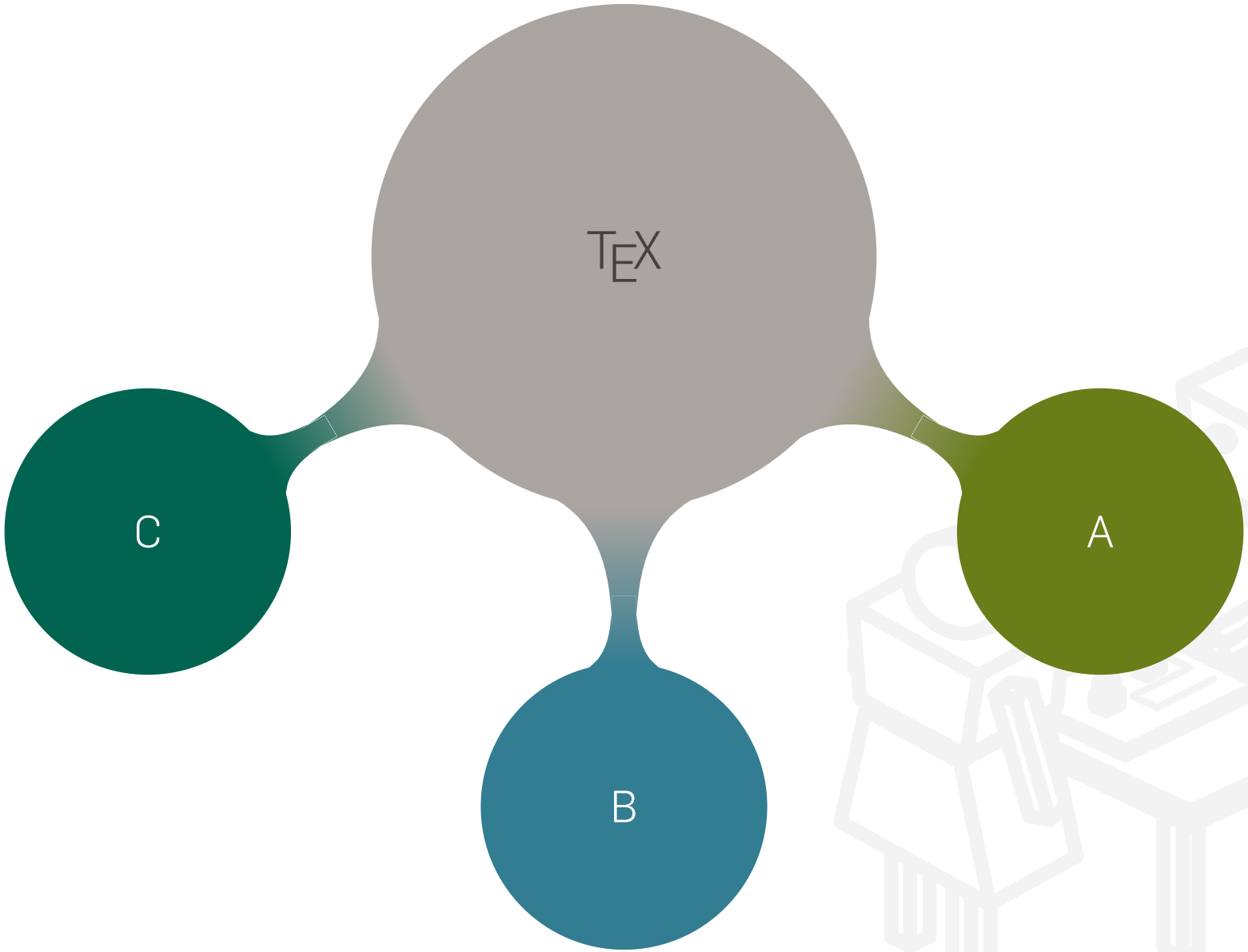
Factorial

$$n! = 1 \cdot 2 \cdot 3 \cdot \ldots \cdot n = \prod_{k=1}^{n} k$$

TIKZ FIGURE


Execution Controller
Goal & Plans management
Situation assessment and context management
Action instantiation, execution and monitoring
shared plans
HATP – Human-aware symbolic task planning
world model and agents beliefs
events, world model and agents beliefs
motion plan requests
Oro – Symbolic facts and beliefs management
natural language grounding
symbolic facts
action monitoring and management of position hypotheses
mhp – Human-aware Motion and Manipulation Planning
environment model
atomic actions
Dialogs Dialogue processing
Spark – Geometric & Temporal Reasoning
Sensors fusion
Geometric model of the environment
Symbolic facts production
Sensorimotor layer

MINDMAP WITH TIKZ

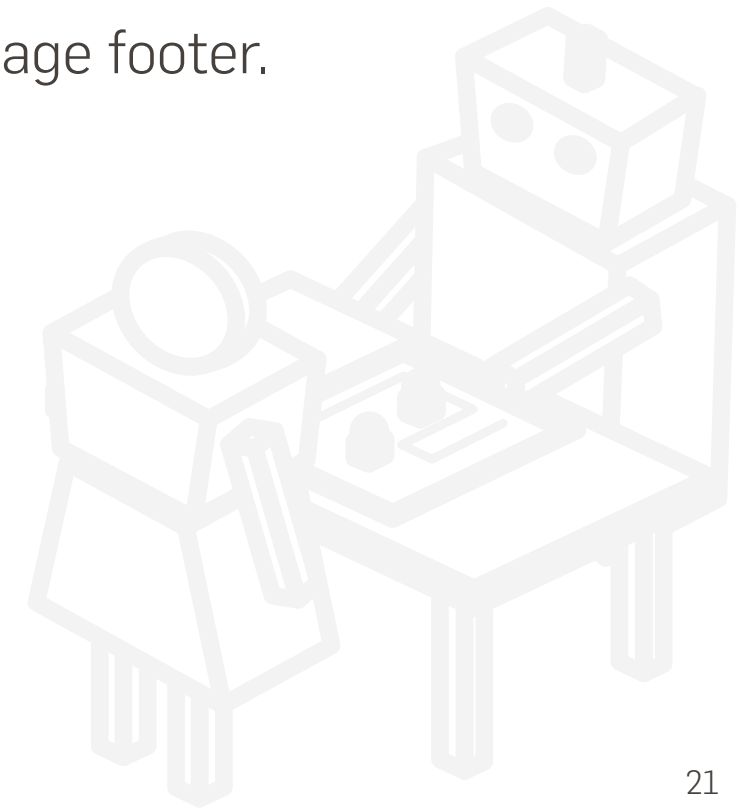


VIDEO CLIP

The video is not directly embedded in the PDF file: you need to copy it next to your PDF.

LITTERATURE REFERENCE

You can add a reference to a paper in the page footer.



FOOTNOTES

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TWO COLUMNS

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- item
- item

BIBLIOGRAPHY

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