Example Title of Conference

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***Abstract*—Hallo, this is an example of an abstract. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.**

***Index Terms*—Example, IEEEtran, journal, LaTeX, template.**

NOTATION

In this study, the following notation is used:

- $\mathbb{R}^n$ denotes the n-dimensional Euclidean space.
- $\mathbb{R}^{n\times m}$ denotes the set of $n \times m$ real matrices.
- $\otimes$ denotes the Kronecker product [1, Chap. 7 Def. 7.1.2].
- A vector and a matrix are denoted by $\boldsymbol{x} = [x_i]_{i\in\{1,\cdots,n\}} \in \mathbb{R}^n$ and $\boldsymbol{A} := [a_{ij}]_{i\in\{1,\cdots,n\},j\in\{1,\cdots,m\}} \in \mathbb{R}^{n\times m}$, respectively.
- $\mathrm{row}_i(\boldsymbol{A})$ denotes the i^{th} row of the matrix $\boldsymbol{A} \in \mathbb{R}^{n\times m}$.
- For $\boldsymbol{A} \in \mathbb{R}^{n\times m}$, denotes the vectorization of $\boldsymbol{A}$, $\mathrm{vec}(\boldsymbol{A}) := (\mathrm{row}_1(\boldsymbol{A}^\top), \cdots, \mathrm{row}_m(\boldsymbol{A}^\top))^\top \in \mathbb{R}^{nm}$.
- $\lambda_{\min}(\boldsymbol{A})$ denotes the minimum eigenvalue of the matrix $\boldsymbol{A} \in \mathbb{R}^{n\times n}$.
- $\boldsymbol{I}_n$ denotes the $n \times n$ identity matrix, and $\boldsymbol{0}_{n\times m}$ denotes the $n \times m$ zero matrix.

I. DUMMY SECTION

You can cite a reference like this [2].

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This work was supported by my 10 fingers and Macbook Air M1.

TABLE I: Example of table.

Symbol	Description	Value
m_1, m_2	Mass	2.465 kg
l_1, l_2	Length	0.2 m
l_{c1}, l_{c2}	Center of mass	0.139 m
I_1, I_2	Inertia	0.069 kgm^2

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II. TABLES AND FIGURES

Refer the following table and figures for examples of tables and figures.

APPENDIX

REFERENCES

[1] D. S. Bernstein, *Matrix Mathematics: Theory, Facts, and Formulas (Second Edition)*. Princeton University Press, 2009. [Online]. Available:

(a) My love Spezi.

(b) My love Spezi.

Fig. 1: Example of subfigures. You can add colored lines like [▬] or [▪ ▪ ▪], i.e., you need to use in captions. By the way, the drinks in the figures are Spezi, which is my favorite drink in Munich, Germany.

http://www.jstor.org/stable/j.ctt7t833

[2] M. Ryu, J. Kim, and K. Choi, "Imposing a weight norm constraint for neuro-adaptive control," Oct. 2024. [Online]. Available: http://dx.doi.org/10.36227/techrxiv.173014412.26480551/v1

(a) My love Spezi.

(b) My love Spezi.

Fig. 2: Example of subfigures in full width.