Example Title of Conference Template

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***Abstract*—This project is built to provide a template for writing papers and simulation.**

***Index Terms*—Scuderia Ferrari, Apple, Joan Gilbert, Gibson, Fender, Hugo BOSS**

NOTATION

In this study, the following notation is used:

- $\otimes$ denotes the Kronecker product [1, Definition 7.1.2].
- $\boldsymbol{x} = [x_i]_{i\in[1,\cdots,n]} \in \mathbb{R}^n$ and $\boldsymbol{A} := [a_{ij}]_{i\in[1,\cdots,n],j\in[1,\cdots,]} \in \mathbb{R}^{n\times m}$ denotes a vector and a matrix.
- $\mathrm{row}_i(\boldsymbol{A})$ denotes the i^{th} row of the matrix $\boldsymbol{A} \in \mathbb{R}^{n\times m}$.
- $\mathrm{vec}(\boldsymbol{A}) := [\mathrm{row}_1(\boldsymbol{A}^\top), \cdots, \mathrm{row}_m(\boldsymbol{A}^\top)]^\top$ for $\boldsymbol{A} \in \mathbb{R}^{n\times m}$.
- $\lambda_{\text{min}}(\boldsymbol{A})$ 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. INTRODUCTION

This template is designed to provide a consistent format for writing papers and simulation reports.

II. EXAMPLE SECTION

III. CONCLUSION

REFERENCES

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

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