

```

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document.getElementById("link_"+id).innerHTML = " [no abstract] "; } else {
document.getElementById("div_"+id).style.display = "none";
document.getElementById("link_"+id).innerHTML = " [abstract] "; } }

```

Publications [\[all BibTeX\]](#)

20XX

M.E. Valcher, I. Zorzan. **State–feedback stabilization of multi-input compartmental systems.** *Systems and Control Letters (to appear)*, 20XX [\[BibTeX\]](#)

2021

I. Zorzan, S. Del Favero, A. Giarretta, R. Manganelli, B. Di Camillo, L. Schenato. **Mathematical modelling of SigE regulatory network reveals new insights into bistability of mycobacterial stress response.** *BMC Bioinformatics*, vol. 22(558), 2021 [\[url\]](#) [\[BibTeX\]](#)

2019

I. Zorzan, S. Del Favero, B. Di Camillo, L. Schenato. **Analysis of a Minimal Gene Regulatory Network for Cell Differentiation.** *IEEE Control Systems Letters*, vol. 3(2), pp. 302-307, 2019 [\[url\]](#) [\[BibTeX\]](#)

I. Zorzan. **Localized Spatial Emergent Behaviour in Bacterial Cells via Band-Detect Network Motif.** *European Control Conference (ECC'19)*, 2019 [\[BibTeX\]](#)

2018

I. Zorzan, S. Del Favero, B. Di Camillo, L. Schenato. **Capturing spatiotemporal patterns in cell differentiation by local cell-cell communication modeling.** *Abstracts of Synthetic and Systems Biology Summer School*, 2018 [\[pdf\]](#) [\[BibTeX\]](#)

2017

I. Zorzan, A. Rantzer. **L1 and H-infinity Optimal Control of Positive Bilinear Systems.** *Proceedings of the 56th IEEE Conf. on Decision and Control*, 2017 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **On the consensus of homogeneous multi-agent systems with arbitrarily switching topology.** *Automatica*, vol. 84pp. 79-85, 2017 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **On the consensus of homogeneous multi-agent systems with positivity constraints.** *IEEE Transactions on Automatic Control*, 2017 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **On the state-feedback stabilisation of compartmental systems.** *Proceedings of the 56th IEEE Conf. on Decision and Control*, 2017 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **Positive consensus problem: the case of complete communication.** *Positive Systems, Lecture Notes in Control and Information Sciences*. pp. 239-252, 2017 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **Continuous-time Compartmental Switched Systems.** *Positive Systems*,

2016

M.E. Valcher, I. Zorzan. **New results on the solution of the positive consensus problem.** *Proceedings of the 55th IEEE Conf. on Decision and Control*, pp. 5251-5256, 2016 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **On the consensus problem with positivity constraints.** *Proceedings of the 2016 American Control Conference*, pp. 2846-2851, 2016 [\[BibTeX\]](#)

M.E. Valcher, I. Zorzan. **Stability and stabilizability of continuous-time compartmental switched systems.** *IEEE Transactions on Automatic Control*, vol. 61(12), pp. 3885 - 3897, 2016 [\[BibTeX\]](#)

2015

M.E. Valcher, I. Zorzan. **On the stabilizability of continuous-time compartmental switched systems.** *Proceedings of the 54th IEEE Conf. on Decision and Control*, pp. 4246-4251, 2015 [\[BibTeX\]](#)