|  |  |
| --- | --- |
| Publication list | *Josip Kukučka*  *josip.kukucka@ist.ac.at* |

Papers

**Heavy hole states in Germanium hut wires**, [*Hannes Watzinger*](https://arxiv.org/find/cond-mat/1/au:+Watzinger_H/0/1/0/all/0/1)*,*[*Christoph Kloeffel*](https://arxiv.org/find/cond-mat/1/au:+Kloeffel_C/0/1/0/all/0/1)*,*[*Lada Vukušić*](https://arxiv.org/find/cond-mat/1/au:+Vukusic_L/0/1/0/all/0/1)*,* [*Marta D. Rossell*](https://arxiv.org/find/cond-mat/1/au:+Rossell_M/0/1/0/all/0/1)*,*[*Violetta Sessi*](https://arxiv.org/find/cond-mat/1/au:+Sessi_V/0/1/0/all/0/1)*,*[*Josip Kukučka*](https://arxiv.org/find/cond-mat/1/au:+Kukucka_J/0/1/0/all/0/1)*,*[*Raimund Kirchschlager*](https://arxiv.org/find/cond-mat/1/au:+Kirchschlager_R/0/1/0/all/0/1)*,*[*Elisabeth Lausecker*](https://arxiv.org/find/cond-mat/1/au:+Lausecker_E/0/1/0/all/0/1)*,*[*Alisha Truhlar*](https://arxiv.org/find/cond-mat/1/au:+Truhlar_A/0/1/0/all/0/1)*,*[*Martin Glaser*](https://arxiv.org/find/cond-mat/1/au:+Glaser_M/0/1/0/all/0/1)*,*[*Armando Rastelli*](https://arxiv.org/find/cond-mat/1/au:+Rastelli_A/0/1/0/all/0/1)*,*[*Andreas Fuhrer*](https://arxiv.org/find/cond-mat/1/au:+Fuhrer_A/0/1/0/all/0/1)*,*[*Daniel Loss*](https://arxiv.org/find/cond-mat/1/au:+Loss_D/0/1/0/all/0/1)*,*[*Georgios Katsaros*](https://arxiv.org/find/cond-mat/1/au:+Katsaros_G/0/1/0/all/0/1), [arXiv:1607.02977](https://arxiv.org/abs/1607.02977), (Nano Letters accepted)

Poster contributions

|  |  |
| --- | --- |
| February  21-26, 2016 | **Charge sensing in SiGe self-assembled nanostructures**, *L.Vukušić, J.Kukučka,*  *H.Watzinger, M.Glaser, V.Sessi, E.Lausecker, R.Kirchschlager, A.Truhlar, A.Rastelli,*  *F.Schäffler and G.Katsaros*, 19th International Wcinterschool on New Developments in Solid State Physics, Castle of Mauterndorf, Austria. |
| August  10-13, 2015 | **Moving away from simple SiGe self-assembled nanodevices**, *L.Vukušić,*  *H.Watzinger, M.Glaser, V.Sessi, E.Lausecker, R.Kirchschlager, A.Truhlar, J.Kukučka,*  *A.Rastelli, F.Schäffler and G.Katsaros*, The International Conference SpinTech VIII School and Conference, Basel, Switzerland. |
| August 3-4  2015 | **Are Ge hut wires good candidates for spin qubits?**, *H.Watzinger, L.Vukušić,*  *E.Lausecker, A.Truhlar, R.Kirchschlager, J.Kukučka, V.Sessi, M.Glaser, A.Rastelli,*  *F.Schäffler and G.Katsaros*, Silicon Quantum Electronics Workshop 2015, Takamatsu, Japan. |

Master thesis

|  |  |
| --- | --- |
| September  23, 2014 | **Design and characterization of radio-frequency circuits in horizontal current bipolar transistor technology** |

Bachelor thesis

|  |  |
| --- | --- |
| July  6, 2012 | **Design and optimization of operational amplifier in BiCMOS technology with horizontal current bipolar transistor** |