

## Posters for postsession: Tuesday, 23<sup>rd</sup> March

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|----|-------------------------------|---|
| 12 | Johannes Oehler               | Sustainable heat for the process industry – high-temperature heat pumps employing a reversed brayton cycle                |
| 13 | Christoph Lange               | High Temperature CaO/CaCO <sub>3</sub> -storage for flexible steam power plants   |
| 14 | Carola Kuhn                   | Kinetic study of the oxidation und thermochemical reduction of iron and iron oxides                                       |
| 15 | Josefine Koksharov            | Pumped thermal electricity storage (PTES) systems based on water thermal energy storages and organic rankine cycles (ORC) |
| 16 | Dennis Kaczmarek              | The influence of ozone on the homogeneous partial oxidation of natural gas mixtures                                       |
| 17 | Dominik Goeb                  | Oxymethylene ether – diesel blends: Maximizing the impact of renewable fuels on vehicle fleet pollutant emissions         |
| 18 | Tim Franken                   | Multi-objective optimization of gasoline, ethanol, and methanol in spark ignition engines                                 |
| 19 | Andrea Düll                   | Potassium borohydride as hydrogen storage material for mobile applications  |
| 20 | Simon Drost<br>Robert Schießl | RCEM Studies: Conversion of CH <sub>4</sub> into unsaturated hydrocarbons and hydrogen                                    |
| 21 | Lukas Berger                  | Challenges in hydrogen combustion: intrinsic instabilities in laminar & turbulent flames                                  |
| 22 | Gesa Backofen                 | Thermochemical energy storage as a power-to-process-steam application in industrial energy systems                        |