



# *processes*

Dear Colleagues,

We are pleased to announce that the winner of the 2020 *Processes* Young Investigator Award is **Prof. Kody Powell**.

Prof. Kody Powell is Assistant Professor at the Department of Chemical Engineering, The University of Utah, Salt Lake City, UT, USA. His research is focused on designing, simulating, controlling, and optimizing complex thermal and chemical energy systems to interact with the smart grid and better enable the use of renewables on the grid. His key research contributions are as follows:

- 1) Solved the storage problem of proactive control of energy systems to handle integration of more intermittent renewables on the grid.
- 2) Invented a new methodology for designing and operating hybrid CSP (concentrating solar power) plants, where heat can be collected at different temperatures and routed to different heat sinks, depending on ambient conditions. This allows the plant to utilize up to 89% more solar heat as compared to a standalone CSP plant.
- 3) Incorporated real processes and real data into computational systems work, e.g., how manufacturing facilities can use their built-in flexibility to contribute to the smart grid (an industrial bakery, a rotary kiln, and slurry storage in mineral processing operations).

Please join us in congratulating Prof. Kody Powell on receiving this award, and for his outstanding achievements. As the awardee, Prof. Kody Powell will receive an honorarium of **2000 CHF** and an engraved trophy.

We would like to thank all the applicants for their participation.

Evaluation Committee:

Prof. Michael A. Henson  
Prof. Juergen Hahn  
Prof. Martha A. Grover  
Prof. Dr. Volker Hessel

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2020 YOUNG INVESTIGATOR AWARD  
**WINNER**



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*Processes* Editorial Office  
St. Alban-Anlage 66  
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[processes@mdpi.com](mailto:processes@mdpi.com)  
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