

Issue 37  
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# NEWS

## Latest Highlights

### Prices/Awards/Funding

*“Our future success is directly proportional to our ability to understand, adopt and integrate new technology into our work.”*

– **Sukant Ratnakar**  
(\*1968), Author.

HEIBRIDS associate PhD [Ivo Daniel](#) won the **2nd place award** in the **Graduate Student Paper competition of The Environmental and Water Resources Institute of the American Society of Civil Engineers** for his paper “Machine Learning-Based Surrogate Model for Coupled Hydraulic and Water Quality Simulation in Water Distribution Networks.”

**Congratulations!**

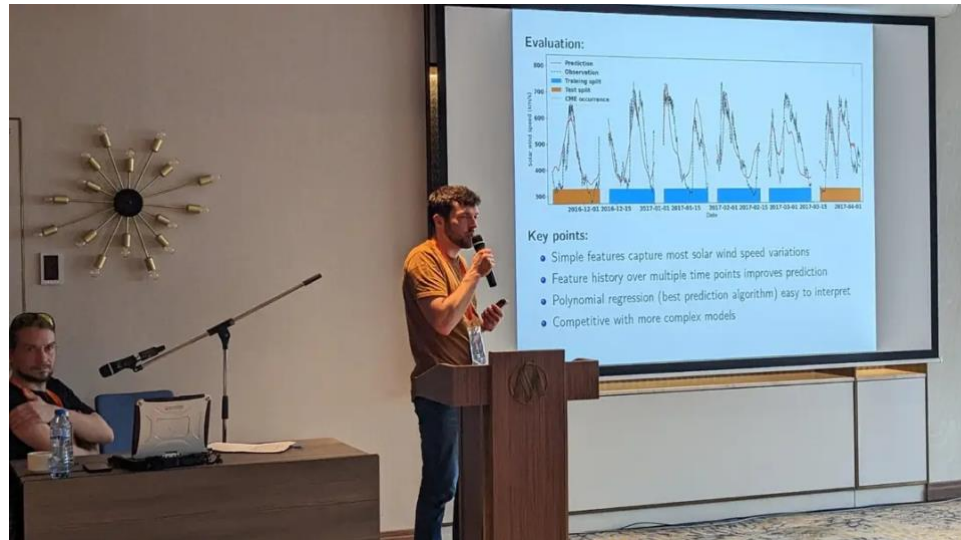
### New Publications

- B. M. Jones, S. Schaeffer Tessier, T. Tessier, M. Brubaker, M. Brook, J. Schaeffer, M. K. Ward Jones, G. Grosse, I. Nitze, [T. Rettelbach](#), S. Zavoico, J. A. Clark, K.D. Tape (2023). **Integrating local environmental observations and remote sensing to better understand the life cycle of a thermokarst lake in Arctic Alaska.** *Arctic, Antarctic, and Alpine Research*, 55(1). <https://doi.org/10.1080/15230430.2023.2195518>
- S. Westermann, T. Ingeman-Nielsen, J. Scheer, K. Aalstad, J. Aga, N. Chaudhary, B. Etzelmüller, S. Filhol, A. Kääb, C. Renette, L. Steffensen Schmidt, T. Vikhamar Schuler, R. B. Zweigel, L. Martin, S. Morard, M. Ben-Asher, M. Angelopoulos, J. Boike, [B. Groenke](#), F. Miesner, J. Nitzbon, P. Overduin, S. M. Stuenzi, M. Langer (2023). **The CryoGrid community model (version 1.0) – a multi-physics toolbox for climate-driven simulations in the terrestrial cryosphere.** *Geoscientific Model Development*, 16(9), pp. 2607-2647. <https://doi.org/10.5194/gmd-16-2607-2023>
- [I. Daniel](#), G.R. Abhijith, L. Kadinski, A. Ostfeld, A. Cominola (2023). **A Machine Learning-Based Surrogate Model for Coupled Hydraulic and Water Quality Simulation in Water Distribution Networks.** *World Environmental and Water Resources Congress 2023*, American Society of Civil Engineers, pp. 817–830. <https://doi.org/10.1061/9780784484852.077>

### Recent Presentations at Conferences

- [I. Daniel](#), G.R. Abhijith, L. Kadinski, A. Ostfeld, A. Cominola (2023). **A Machine Learning-Based Surrogate Model for Coupled Hydraulic and Water Quality Simulation in Water Distribution Networks.** *World Environmental and Water Resources Congress 2023*, American Society of Civil Engineers, Henderson, Nevada. <https://doi.org/10.1061/9780784484852.077>
- T.M. Pentimalli (2023). **3D molecular reconstruction of a human tumor at singlecell resolution reveals invasion dynamics and predicts personalized therapeutic targets.** *Innovation in Single Cell Omics (ISCO) conference*, May 15-16, 2023.

- D. Collin, S. Bianco, G. Gallego, Y. Shprits (2023). **Forecasting solar wind speed by machine learning based on coronal hole characteristics**. *EGU General Assembly 2023*, Vienna, Austria, 24–28 April, 2023, EGU23-6968 (poster presentation).  
<https://doi.org/10.5194/egusphere-egu23-6968>
- D. Collin, S. Bianco, G. Gallego, Y. Shprits (2023). **Forecasting solar wind speed from solar EUV images**. *International Workshop on Machine Learning and Computer Vision in Heliophysics 2023*, Sofia, Bulgaria, 19-21 April, 2023 (talk and poster presentation):



## Announcements

### HEIBRiDS Spring School

We are looking forward to the HEIBRiDS Spring School 2023, June 7-9 at the Conference Room of ECDF. You can read more information about it [here](#).

### BIFOLD Weizenbaum Summer School

HEIBRiDS PhD researchers are cordially invited to participate in the upcoming Summer School on “Artificial Intelligence and ecological sustainability” from September 11-15, 2023 in Berlin. The school is organised by the **BIFOLD Graduate School** and the **Weizenbaum Institute for the Networked Society**. The exciting program includes keynote speeches, lectures as well as in-depth-sessions on specific topics by highly recognized scientists as well as the possibility to work in groups on practical sustainability problems. For further details please check the website: <https://www.bifold.berlin/education/summerschool>. Please register by June 15, 2023.

### BUA Postdoc Academy

**Last spots available: Postdoc-Networking Event June 19**

Join first Postdoc-Networking Event ([view program](#)) at Berlin-Brandenburgische Akademie der Wissenschaften (BBAW) and get introduced to state-of-the-art networking techniques by professional trainers. Learn how to network globally and how to put your own ideas into practice. [Register here](#)

### Training offers from our partners

- Training offers from the **Humboldt Graduate School** and the **Dahlem Research School** can be found [here](#) and [here](#). For registration, please follow the registration link for each individual workshop.
- Training offers from **HIDA**, our sister-schools **HIDSS** and **HIFIS** can be found [here](#), [here](#) and [here](#).
- The Lecture Series of our partner [FONDA](#) is taking place every **Tuesday from 14:00 to 15:00**. You can find the schedule [here](#).