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Intelligent Systems  
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## Employment

### Externe medewerker

Other Support Staff  
Intelligent Systems  
University of Groningen  
Groningen, Netherlands  
7-Sept-2023 → 1-Nov-2024

## Research outputs

**Interpretable Models Capable of Handling Systematic Missingness in Imbalanced Classes and Heterogeneous Datasets**  
Ghosh, S., Baranowski, E. S., Biehl, M., Arlt, W., Tino, P. & Bunte, K., 4-Jun-2022, (Submitted) arXiv, 47 p. (ArXiv).

### **Intrinsically Interpretable Machine Learning In Computer Aided Diagnosis**

S. Ghosh, S., 2021, [Groningen]: University of Groningen. 103 p.

### **Visualization and knowledge discovery from interpretable models**

Ghosh, S., Tiño, P. & Bunte, K., 1-Jul-2020, *International Joint Conference on Neural Networks (IJCNN)*. Glasgow, United Kingdom: IEEE (The Institute of Electrical and Electronics Engineers), p. 1-8 8 p.

### **Positive and Negative Parenting in Conduct Disorder with High versus Low Levels of Callous-Unemotional Traits**

Pauli, R., Tino, P., Rogers, J. C., Baker, R., Clanton, R., Birch, P., Brown, A., Daniel, G., Ferreira, L., Grisley, L., Kohls, G., Baumann, S., Bernhard, A., Martinelli, A., Ackermann, K., Lazaratou, H., Tsiakoulia, F., Bali, P., Oldenhof, H. & Jansen, L. & 22 others, Smaragdi, A., Gonzalez-Madruga, K., Gonzalez-Torres, M. A., Maider Gonzalez de Artaza-Lavesa, M., Stepan, M., Vriends, N., Bigorra, A., Siklosi, R., Ghosh, S., Bunte, K., Dochnal, R., Hervás, A., Stadler, C., Fernandez-Rivas, A., Fairchild, G., Popma, A., Dikeos, D., Konrad, K., Herpertz-Dahlmann, B., Freitag, C. M., Rotshtein, P. & De Brito, S. A., 2020, In: *Development and Psychopathology*. 33, 3, p. 980–991 12 p.

### **Steroid metabolomics: A rapid computational approach for accurate differentiation of inborn disorders of steroidogenesis**

Baranowski, E. S., Ghosh, S., Shackleton, C. H., Taylor, A. E., Hughes, B. A., Gilligan, L. C., Utari, A., Faradz, S. M., van, H. A. E., Claahsen-van, D. G. H. L., Biehl, M., Guran, T., Bunte, K., Tino, P. & Arlt, W., 1-May-2019, In: *Endocrine Abstracts*. 63, OC10.1.

### **Steroid Metabolomics: A Powerful Technique for Differentiating Inborn Disorders of Steroidogenesis**

Baranowski, E. S., Ghosh, S., Shackleton, C. H., Taylor, A. E., Hughes, B. A., Biehl, M., Guran, T., Bunte, K., Tino, P. & Arlt, W., 2018.

### **Comparison of strategies to learn from imbalanced classes for computer aided diagnosis of inborn steroidogenic disorders**

Ghosh, S., Baranowski, E. S., van Veen, R., de Vries, G.-J., Biehl, M., Arlt, W., Tino, P. & Bunte, K., Apr-2017, *25th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN 2017*. Verleysen, M. (ed.). Ciaco - i6doc.com, p. 199-205 7 p.

## Activities

**Second Workshop on Intelligent Systems and Computational Intelligence**

Schleif, F.-M. (Attendee), Ghosh, S. (Attendee), Mohammadi, M. (Attendee), Talavera Martínez, E. (Attendee) & Rezaei Badafshani, S. (Attendee)  
28-Mar-2019 → 29-Mar-2019

**Mittweida Workshop on Computational Intelligence**

Biehl, M. (Speaker), Ghosh, S. (Speaker), Nolte, A. (Speaker), Bunte, K. (Speaker) & Mohammadi, M. (Speaker)  
25-Jun-2018 → 27-Jun-2018

**Workshop on Intelligent Systems and Computational Intelligence**

Ghosh, S. (Speaker), Göpfert, C. (Speaker), Göpfert, J. (Speaker), Kaden, M. (Speaker), Mohammadi, M. (Speaker), Nolte, A. (Speaker), Fernandez Robles, L. (Speaker), Saralajew, S. (Invited speaker), Schleif, F.-M. (Speaker), Strisciuglio, N. (Speaker), Villmann, A. (Speaker) & Villmann, T. (Speaker)  
22-Mar-2018 → 23-Mar-2018

**Mittweida Workshop on Computational Intelligence 2017**

Biehl, M. (Speaker), Bunte, K. (Speaker) & Ghosh, S. (Speaker)  
24-Jul-2017 → 26-Jul-2017

**25th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN 2017**

Ghosh, S. (Speaker)  
26-Apr-2017 → 28-Apr-2017

**ICT.Open 2017**

Ghosh, S. (Speaker)  
21-Mar-2017 → 22-Mar-2017