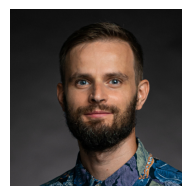- **27 January 2022 - [AIRA seminar] Victor Rodriguez-Fernandez** We kindly invite you to the next seminar in the AIRA series. Victor Rodriguez-Fernandez, assistant Professor at the Universidad Politécnica de Madrid will give a talk entitled **Modern deep learning approaches for time series** will start on **Thursday (27.01.2022) at 15:30**!
  See https://aira.geist.re/ for more details (meeting link, abstract, biogram, full schedule).

GEIST news

- **20 January 2022 - [AIRA seminar] Jakub Jakubowski** We kindly invite you to the next seminar in the AIRA series. Jakub Jakubowski, Ph.D. candidate at the AGH UST will give a talk entitled **Explainable anomaly detection in hot-rolling process** will start on **Thursday (20.01.2022) at 15:30**!
  See https://aira.geist.re/ for more details (meeting link, abstract, biogram, full schedule).

- **13 January 2022 - [AIRA seminar] Szymon Bobek** We kindly invite you to the next seminar in the AIRA series. Szymon Bobek, assistant Professor at the Jagiellonian University will give a talk entitled **Challenges in Explainable Artificial Intelligence for Industry 4.0** will start on **Thursday (13.02.2022) at 15:30**!
  See https://aira.geist.re/ for more details (meeting link, abstract, biogram, full schedule).

- **10 December 2021 - [AIRA seminar] Timos Kipouros.** We kindly invite you to the next seminar in the AIRA series. Timos Kipouros, a Senior Research Associate at the University of Cambridge will summarise some of the research threads being developed in the Engineering Design Centre at the University of Cambridge. His talk entitled **Visual Analytics for Aerospace and Healthcare Systems Design** will start on **Thursday**
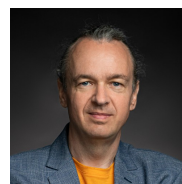
(16.12.2021) at 15:30!
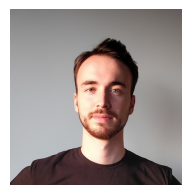See *https://aira.geist.re/* *for more details (meeting link, abstract, biogram,
full schedule).*

- **3 December 2021 - [AIRA seminar] Bartosz Soból.** We kindly invite
  you to the next seminar in the AIRA series. Bartosz Soból, a PhD Candidate
  at Jagiellonian University will present his research interests in a talk entitled
  **Recent developments of machine learning in experimental particle
  physics**. We start on **Thursday (09.12.2021) at 15:30**!
  See *https://aira.geist.re/* *for more details (meeting link, abstract, biogram,
  full schedule).*

- **26 November 2021 - [AIRA seminar] Grzegorz J. Nalepa.** We kindly
  invite you to the next seminar in the AIRA series. Professor Grzegorz J.
  Nalepa will summarise our research done in the area of Industry 4.0 in a
  talk entitled **Artificial Intelligence in Industry 4.0: Data, Models, and
  Knowledge**. We start on **Thursday (02.12.2021) at 15:30**!
  See *https://aira.geist.re/* *for more details (meeting link, abstract, biogram,
  full schedule).*

- **19 November 2021 - [AIRA seminar] Marcin Tutajewski.** We kindly
  invite you to the next seminar in the AIRA series. Marcin Tutajewski, a PhD
  Candidate at Jagiellonian University will present his research related to fMRI
  data analysis in a talk entitled **Classification of ROI-based fMRI data in
  short-term memory tasks using discriminant analysis and neural
  networks**. We start on **Thursday (25.11.2021) at 15:30**!
  See *https://aira.geist.re/* *for more details (meeting link, abstract, biogram,
  full schedule).*

- **15 November 2021 - [AIRA seminar] Krzysztof Kutt: AI with psychology – a few words on affective adaptation and personalisation of intelligent systems.** The next seminar in the AIRA series will be devoted to the use of psychological methodology (in particular emotion research) in the development of intelligent systems. Krzysztof Kutt will highlight the key findings of research conducted in this area by the AfCAI team. As always, we start on **Thursday (18.11.2021) at 15:30**. You are welcome!
  See *https://aira.geist.re/* for more details (meeting link, abstract, biogram, full schedule).

- **1 November 2021 - [AIRA seminar] Andrzej Grabowski: Telepresence and simulators – modern use of Virtual Reality in robotics and training with possible application of AI.** We invite you to the third seminar in the AIRA series. Andrzej Grabowski, head of Virtual Reality Laboratory in Department of Safety Engineering of Central Institute for Labour Protection – National Research Institute, will show three different VR applications and discuss the possibilities of improving training simulations by using AI to modify the course of the training scenario in real-time. We start on **4 November at 15:30**.
  See *https://aira.geist.re/* for more details (meeting link, abstract, biogram, full schedule).

- **25 October 2021 - [AIRA seminar] Marcin Woźniak: Smart environment – AI meets IoT.** The second seminar in the AIRA series will begin **this Thursday (28.10.2021) at 15:30**. Marcin Woźniak, PhD, a Professor at Silesian University of Technology, will talk about IoT and AI-based solutions for smart enrivonments. He will show and discuss latest advances and ideas in model of data processing and automatic control of processes and devices used in these environments.
  See *https://aira.geist.re/* for more details (meeting link, abstract, biogram, full schedule).

- **18 October 2021 - [AIRA seminar] Bartłomiej Małkus: Financial**

modeling with applications of machine learning and explainable AI.
We invite you to the first seminar in the AIRA series. Bartłomiej Małkus, a
PhD candidate at the Jagiellonian University in Technical Computer Science,
will talk about financial modelling, including financial instruments pricing,
risk modeling and financial data sources that may be used for research
purposes. We start on **21 October at 15:30**.
See *https://aira.geist.re/* *for more details (meeting link, abstract, biogram,*
full schedule).

- **10 October 2021 - AIRA seminar!** GEIST is happy to announce, that we
  are launching an **open, online seminar on Artificial Intelligence in**
  Research and Applications (AIRA). It will be a weakly event with various
  guests from many different AI-related research fields as well as industry
  and business areas. Please save your <u>Thursdays between 3:30-5:00 PM</u>
  <u>Warsaw Time</u>. The program will be published at https://aira.geist.re

- **24 June 2021 - Paper in the Sensors: 20th Anniversary special**
  issue! We have published one more paper in MDPI Sensors (**IF 3.576**)! We
  encourage you to read our review on **Semantic Data Mining in**
  Ubiquitous Sensing – available in open access under DOI:
  10.3390/s21134322.

- **14 June 2021 - ICCS 2021 in Kraków (online).** This week we invite you
  to the ICCS 2021 conference taking place remotely in Krakow, PL to listen
  to our five papers (A Voice-based Travel Recommendation System Using
  Linked Open Data, Introducing Uncertainty Into Explanaible AI Methods,
  Towards Model-Agnostic Ensemble Explanations, Augmenting automatic
  clustering with expert knowledge and explanations, Explanation-driven
  model stacking) and many other interesting contributions!

- **30 April 2021 - Special Session on XPdM 2021.** We would like to invite
  you to submit articles for the special session on Data-Driven Predictive
  Maintenance for Industry 4.0 (XPdM 2021) to be held on October 6-9, 2021,
  Porto-Portugal (Online), co-located with IEEE DSAA 2021. It is co-organised
  by Grzegorz J. Nalepa and linked to our XPM project (eXplainable Predictive
  Maintenance; CHIST-ERA-19-XAI-012). Call for papers and more information
  are provided at: https://sites.google.com/g.uporto.pt/ddpdm2021/.

- **17 April 2021 - Summer School on Data-Driven Predictive Maintenance for Industry 4.0.** A summer school sponsored by the international XPM project (eXplainable Predictive Maintenance; CHIST-ERA-19-XAI-012), in which the Polish team is led by Grzegorz J. Nalepa, will be held online on **October 3-5, 2021**. You are cordially invited! The Summer School is for students, researchers, and practitioners who want to **learn how to implement predictive maintenance to solve real industrial problems using machine learning approaches**. More information at: https://hh.se/PMSummerSchool.

- **4 March 2021 - PRAXAI special session at DSAA.** We invite you to take part in a special session "Practical applications of explainable artificial intelligence methods (PRAXAI)" at The 8th IEEE International Conference on Data Science and Advanced Analytics. It is related to the CHIST-ERA PACMEL project coordinated by Grzegorz J. Nalepa. For more details and call for papers, see http://praxai.geist.re.

- **4 January 2021 - PANBA Minigrant.** Krzysztof Kutt received a research minigrant in the DigiWorld Priority Research Area UJ. The project named "Personality, Affective Context and the Brain (PANBA)" is aimed at analyzing data from the BIRAFFE2 experiment and preparing a new research procedure that includes the use of EEG.

- **30 December 2020 - Two papers in MDPI's journals!** Recently, we have published papers on the ongoing research in the PACMEL project and the BIRAFFE study. The former can be seen in MDPI Energies (10.3390/en13246630; **IF 2.702**) and the latter in MDPI Sensors (10.3390/s21010163; **IF 3.275**). We hope you will enjoy them! And don't hesitate to ask if you have questions!

- **1 December 2020 - Another success in the CHIST-ERA Call!** The previous project is still ongoing (**PACMEL**, CHIST-ERA Call 2017), but Grzegorz J. Nalepa get another grant! **XPM: eXplainable Predictive Maintenance** is among awarded projects in CHIST-ERA Call 2019. The project involves researchers from Poland, France, Portugal and Sweden. See the NCN announcement.

- **28 August 2020 - Our three papers will be presented during workshops @ECAI 2020!** Let's talk about Framework for Affective Games' Experiments @MRC and our BIRAFFE2 dataset @HAII. We will also present

some recent results from PACMEL grant during KR4L. ECAI conference is fully online this year, so it is easier to join many fascinating events - let's meet there together!

- **10 October 2019 - Invited talks at EDC, Cambridge!** We were invited to give talks at a seminar in Engineering Design Centre, Cambridge. The presentations entitled **Can a machine understand how you feel by watching you?** (by Krzysztof Kutt, Szymon Bobek and Grzegorz J. Nalepa) and **Affective Patterns in (Serious) Game Design** (by Jan K. Argasiński and Grzegorz J. Nalepa) will take place on October 23, 2019.

- **24 September 2019 - BIRAFFE dataset** (**Bi**o-**R**eactions **a**nd **F**aces **f**or **E**motion-based Personalization) with ECG and GSR signals, facial expressions, personality traits and more, collected by us in the spring 2019,

  is now available under the CC BY-NC-ND 4.0 licence at **Zenodo**! 🙂

- **3 June 2019 - A guest from Cambridge!** This week Sławomir Tadeja, a guest from University of Cambridge, is visiting us. We will work hard together on our common research topics. He will also give a speech on *Immersive Visual Analytics* at a seminar at AGH-UST – we invite you on Wednesday 9:35 to room C2 429!

- **31 May 2019 - Paper in Sensors!** Our paper on the Analysis and Use of the Emotional Context with Wearable Devices for Games and Intelligent Assistants was published in Sensors [**IF 2.475**]. Feel free to read and comment with us!

- **18 May 2019 - Finish of the spring experiment!** Yesterday, we finished current session of affective experiments. **More than 200 people** took part in the 1.5h study with pictures, sounds, games, paper and gamepad. Thank you all for your help! Now we will look closely at the data. We promise to create great articles describing our results. Stay tuned!

- **26 March 2019 - Affective experiment in GEIST!** We are starting the big affective experiment to further develop our ideas on wearable devices, affective computing and affective games. If you are interested in helping us as a participant, take a look at http://krzysztof.kutt.pl/badania2019 (in polish).

- **29 October 2018 - Success in the CHIST-ERA Call 2017! PACMEL** (Process-aware Analytics Support based on Conceptual Models for Event Logs) is among 14 awarded projects in CHIST-ERA Call 2017. The project involves researchers from Poland, Spain and Italy and is coordinated by Grzegorz J. Nalepa. See also the NCN announcement.

- **21 September 2018 - Dedicated AfCAI page!** A dedicated page on our Affective Computing-related research is now available at https://afcai.re/. You can find there: description of our research network, list of AfCAI-related publications, outline of affective software and the history of AfCAI Workshops. Visit us at https://afcai.re/!

- **23 July 2018 - Press note on our results!** PLUX the company behind Bitalino mentions our comparative study from ICAISC2018

- **15 July 2018 - Award on HAI 2018!** "*AIded with emotions*" by Barbara Giżycka, Grzegorz J. Nalepa & Paweł Jemioło, our paper on the design of games with affective loop, was presented as demo at HAI and received *The Popular Choice Award* for the most downloaded paper of the workshop!

- **27 June 2018 - Krzysztof Kutt, PhD!** The fourth doctorate in GEIST! Today, the prestigious group joined Krzysztof Kutt – congratulations and wish you further success!

- **18 June 2018 - GJN in Spain!** This week, Grzegorz J. Nalepa gives two lectures at the Universidad de Murcia. Join us on Tuesday and Thursday and listen about Affective Computing and AI Technological Opportunities! More information is available here.

- **10 May 2018 - The next GEIST PhD in progress!** Krzysztof Kutt has not yet defended his doctoral dissertation, but he already presented the results as a guest at the "Collective Intelligence in Information Systems" seminar in Wroclaw. Photos and slides are available at the seminar webpage.

- **18 April 2018 - The AfCAI 2018 Workshop!** The second workshop on AfCAI starts tommorow at Universitat Politècnica de València, Spain. Let's talk about affective computing together!

- **13 March 2018 - Paper in FGCS!** The next GEIST paper was published in FGCS Journal [**IF 3.997**]. Feel free to read our thoughts on "Mobile platform for affective context-aware systems".

- **23 November 2017 - Seminarium RnD: Parallel Cooperative Hybrid Metaheuristics: some results and trendsr!** Kolejne „Seminarium badawczo-rozwojowe" już w czwartek **23.11.2017** o godz. **09:30** w sali **224 C2**. Prof. Salvador Abreu z University of Évora opowie o metaheurystykach wykorzustyjących zrównoleglanie solverów bazujących na standardowych heurystykach. Więcej informacji o temacie seminarium oraz sylwetka prelegenta znajdują się na stronie WWW seminarium. Zapraszamy!

- **1 October 2017 - Fresh blood in GEIST!** The team has grown up with new people – two trainees: Paweł Jemioło & Piotr Misiak and one PhD candidate: Barbara Giżycka are now with us. With new strength and enthusiasm we can develop our projects in the new academic year 🙂

- **19 September 2017 - Big Loki page update!** New versions of Loki and PROV plugins are available for download along with three new projects: revisionsrater, xttviewer and rdfloki. See also our visual RDF editor!

- **10 September 2017 - Rules & SKE lectures at DECLARE'17!** Next week the DECLARE'17 Summer School begins. One of the lecturers will be Grzegorz J. Nalepa. He will talk about Semantic Knowledge Engineering (SKE), Rules and Context–Aware Systems. This will be supplemented by practical laboratories where participants will use many cool tools to create their own simple systems.

- **16 June 2017 - 8 GEIST papers at ICAISC 2017!** GEIST is back from an exhaustive ICAISC 2017 conference in Zakopane. We have presented 8 papers there. Particular congratulations to the leaders of the work: Antoni Ligęza (co-author of 5 of them) and Szymon Bobek (co-created 3 of them)!

- **14 June 2017 - Affective lectures in Bolzano!** Another guest affective lectures by GEIST – this time Grzegorz J. Nalepa will give a cycle of lectures called Affective Computing, Context and Processing at Free University of Bozen-Bolzano, Italy.

- **13 May 2017 - News from Würzburg!** Yesterday, Grzegorz J. Nalepa was

a guest at University of Würzburg and took part in two events:

1. First of all, as a reviewer in **a PhD defense of our friend, Ludwig Ostermayer**. Ludwig successfully finished his dissertation named "Integration of Prolog and Java with the Connector Architecture CAPJA". Congratulations!
2. Also, he gave a guest lecture entitled "Cognitive assistants need to understand emotions. On the integration of context-aware and affective systems", presenting current GEIST research in the Affective Computing area.

- **21 March 2017 - RnD Seminar!** Tommorow, Prof. María-Trinidad Herrero Ezquerro, our guest from University of Murcia, Spain will give a lecture about **Measuring emotions and the influence of smell and taste**. We will start at 14:00, C2-429. Join us!

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