

# BPM NEWSLETTER

Issue 2 / 2023

November 2023

## EDITORIAL

I am happy to share the new edition of the BPM Newsletter with you. As always, we have some exciting news covered in this newsletter.

We are happy to announce that BPM 2024 will take place in Krakow. The Krakow team reveal some exciting highlights of the upcoming conference that you all need to know. The first deadline is the call for workshop proposals. Below a photo of my last visit to Krakow in May 2005.

As a community, we are witnessing the increasing tensions in the world. We as a community see the need to emphasize the values upon which we build. We thank our colleagues who helped crafting the Diversity, Equity, and Inclusion statement of the conference.

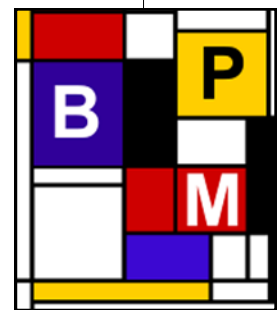
A big step for our community is the initiation of our first own community journal. I will report important facts that make it attractive for you to submit your papers to Process Science.

ChatGPT has been one of the hot topics at BPM 2023. We had the opportunity to talk to ChatGPT about the future of BPM research.

We all had a fantastic time at BPM 2023 in Utrecht. We want to share some highlights and some reflections by some of the chairs. Also we give credit to whom credit is due with an overview of the awards of BPM 2023.

Happy reading, all the best, and take care,

Jan



- 1st BPM 2003 Eindhoven
- 2nd BPM 2004 Potsdam
- 3rd BPM 2005 Nancy
- 4th BPM 2006 Vienna
- 5th BPM 2007 Brisbane
- 6th BPM 2008 Milan
- 7th BPM 2009 Ulm
- 8th BPM 2010 Hoboken
- 9th BPM 2011 Clermont-Ferrand
- 10th BPM 2012 Tallinn
- 11th BPM 2013 Beijing
- 12th BPM 2014 Haifa/Eindhoven
- 13th BPM 2015 Innsbruck
- 14th BPM 2016 Rio de Janeiro
- 15th BPM 2017 Barcelona
- 16th BPM 2018 Sydney
- 17th BPM 2019 Vienna
- 18th BPM 2020 Seville
- 19th BPM 2021 Rome
- 20th BPM 2022 Münster
- 21st BPM 2023 Utrecht
- 22nd BPM 2024 Krakow





## WELCOME TO BPM 2024 IN KRAKOW

Get ready for BPM 2024! We're heading to the beautiful city of Krakow in Poland. With its amazing history and friendly vibe, Krakow is the perfect place for our next conference.

Krakow is one of the oldest and at the same time one of the largest cities located in southern Poland, right in the very heart of Europe. Thanks to its centuries-old tradition, Krakow has become a center of culture, tourism, science, business, and sport. The historic old town of Krakow, including the Wawel Royal Castle, was one of the first sites to be listed on the UNESCO World Heritage List in 1978. Imagine strolling through Europe's largest medieval market square, where every corner whispers tales from the past.

But Krakow is not just a city steeped in history; it's a vibrant cultural hub that pulsates with life and creativity. Every year, the city hosts hundreds of festivals and other events, many of which have global significance. From music and film to literature and art, these festivals draw crowds from around the world, showcasing Krakow's unique blend of tradition and modernity. What's more, it's a city renowned for its modern museums, offering visitors the opportunity to explore history through engaging and interactive experiences.

Our main events will take place at AGH University of Krakow, a leader in technology education and research in Poland. It's a great place, situated near the city center, embodying the perfect blend of tradition and innovation. Kra-

kow, once the nation's capital and the abode of kings, is now a lively hub full of art, science, and excitement.

We have planned several exclusive experiences for conference participants. At the workshop reception in Klub Studio on the university campus, you'll have the chance to taste our very own BGH beer, brewed right at AGH University! The welcome reception will unfold in the exquisite main hall of the university. The highlight of your journey will be an unforgettable conference gala dinner held underground in one of the chambers of the Wieliczka Salt Mine, another gem on the UNESCO World Heritage List. This is an adventure into history, culture, and innovation that you surely wouldn't want to miss.

The **Wawel Royal Castle** and the Wawel Hill on which it sits constitute the most historically and culturally significant site in Poland. A fortified residency on the Vistula River in Kraków, it was established on the orders of King Casimir III the Great and enlarged over the centuries into a number of structures around an Italian-styled courtyard. It represents nearly all European architectural styles of the Medieval, Renaissance and Baroque periods. (Wikipedia)

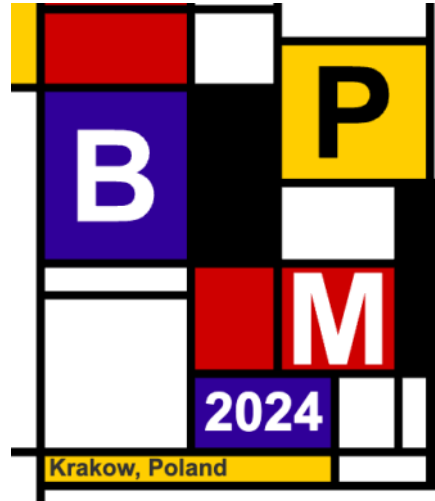




# WORKSHOPS: THE BEST OPPORTUNITY TO CREATE A RESEARCH COMMUNITY

Workshops are the perfect environment to enforce promising research lines and create discussions in mature but specific research topics around the Business Process Management Conference. They provide every community with a place for sharing their initiatives, and new ideas are welcome. Previous BPM workshop editions have introduced topics at the frontiers of research, which have become very influential in current research. Other workshops belong to mature areas, sharing almost their whole history with the main conference.

Workshops promote the exchange of ideas and experiences between active researchers, fostering discussions on technical aspects, applications, and new perspectives aligned with the conference topics. Some examples of the last edition were related to natural language, social software, dynamics of organizational processes, data-driven and process optimization, digital twins, formal methods, or object-centric processes. Additionally, some communities have found a meeting point for sharing their advances with valuable feedback of experts in the area. Among them are Business Process Intelligence, Artificial



Intelligence, IoT environments and declarative and hybrid approaches.

BPM 2024 invites submissions for workshops, either one-day or half-day in duration. Sessions will be conducted the day before the main conference starts. These meetings encourage lively interactions.

All those who aim to organize a workshop for BPM 2024 should bear in mind that the topic must be related to the conference and attract around 20 con-

tributions, with an acceptance rate of 50% approximately. Both the subject matter and the involvement of experts in the field will be considered by the general workshop chairs. The goal is to accept approximately 9 workshops to encompass a broad spectrum of BPM research disciplines, presenting the option of merging similar workshops if needed. This year, we specifically encourage workshop topics relating to foundational and management topics within BPM research.

Workshop proposals must be submitted as a PDF document to [bpmworkshops2024@gmail.com](mailto:bpmworkshops2024@gmail.com) by December 1, 2023. Additional information about the expected content of your workshop proposal is available at

<https://bpm2024.agh.edu.pl/call-for-workshops/>.

We are looking forward to receiving the workshop proposals and hope to see you in Krakow next year!

Katarzyna Gdowska, Maria Teresa Gómez López and Jana-Rebecca Rehse (BPM 2024 Workshop Chairs)



# BPM'S INITIATIVE FOR DIVERSITY, EQUITY AND INCLUSION

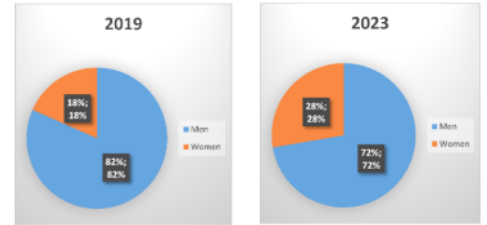
"Imagine you're at the start of your scientific career and one of your first papers is accepted at BPM. You get a travel funded to the Netherlands and do a great presentation. Then you even have lunch with some of the most prominent members of the BPM community! This became possible for seven researchers who met Adela del Rio, Hajo Reijers, Jan Mendling, Michael Rosemann, and Shazia Sadiq during the BPM 2023 Early Career Researchers Mentoring session. In a relaxed atmosphere the participants exchanged ideas and experiences on pursuing a scientific career these days, and opportunities in both academia and industry for upcoming BPM researchers. It was a pleasant experience for everyone to get to know each other. The lively exchange continued after lunch in individual talks, establishing new contacts and collaborations." [Jens Gulden, coordinator of the mentoring session].

This activity was one of the initiatives of the newly created DEI committee in the BPM conference series. Diversity, Equity, and Inclusion (DEI) is an extremely important concern in every aspect of life, including our lives as academic professionals. Hence the relevance of this committee, whose main goal is to make conference participants, and people in our community more generally, feel welcomed regardless of age, gender identity, race, ethnicity, socioeconomic background, country of origin, religion, sexual orientation, physical ability, education, and work experience.

To make this happen, we also gathered and analysed some data from previous years (see accompanying graph), from which we learnt that we still need to do more work on improving DEI in our community.

We are glad that Shazia Sadiq and Adela del Rio Ortega drive the DEI initiative in the BPM Steering Committee. We also thank Jens Gulden who serves as a DEI Data Custodian. For next year's BPM conference in Krakow, we thank the team of Artur Lesner, Andrea Marrella, and Adela del Rio Ortega who will jointly serve as Diversity & Inclusion Chairs.

Gender distribution PC 2019 vs. 2023



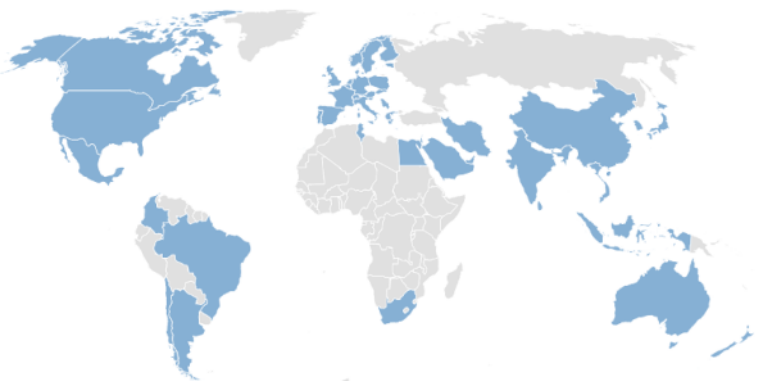
### Commitment to Diversity, Equity, and Inclusion

The BPM community is committed to the promotion of diversity, equity, and inclusion (DEI) in all aspects of our professional activities. We celebrate the diversity in our community and welcome everyone regardless of age, gender identity, race, ethnicity, socioeconomic background, country of origin, religion, sexual orientation, physical ability, education, and work experience. We encourage all participants to consider DEI in their writing, reviews, presentations, and all interactions related to the BPM conference. The BPM community has a tradition of researching and experimenting with real-world applications and, as such, needs to find the balance between research and societal events that shape our lives as a liberal society that supports DEI principles. Therefore, the conference participants should feel free to express themselves on all topics within and beyond our interests as a research community and to do so in a non-aggravating and respectful manner, being considerate to those who are the possible victims of, a.o., violence, war, or political oppression and making use of this special opportunity to gather in an international setting to better understand multiple view points in a safe and inclusive environment.

The BPM Steering Committee



### Accepted submissions 2018-2022



# PROCESS SCIENCE—OUR NEW JOURNAL

At BPM 2023, we officially announced the new journal of our community:

**Process Science** —  
**Business Process Management and** —  
**Process Mining**

Process Science is a joint effort of the steering committee of the BPM Conference and the IEEE Task Force on Process Mining. The aim of the journal is to publish high-quality scientific contributions that advance our understanding of processes and corresponding information systems. The journal is unique in its scope of equally embracing contributions that build on 1) formal and theoretical analysis, 2) engineering research, or 3) empirical research methods. It integrates technical and socio-technical discourses in data science, computer science and information systems research, as well as related research in management science, operations research, organization studies, psychology, and behavioural science.

It is the mission of the journal to provide a service to the community and to authors. We offer a high-quality and well-managed single-blind peer review process with quick cycle times. Our ambition is to complete the first review round within one month. To this end, we work with bimonthly submission deadlines. Furthermore, we operate as a fully open access journal with transparent fees and opportunities for waivers.

Visit the website of the journal for more details on submitting papers:

<https://www.springer.com/journal/44311>

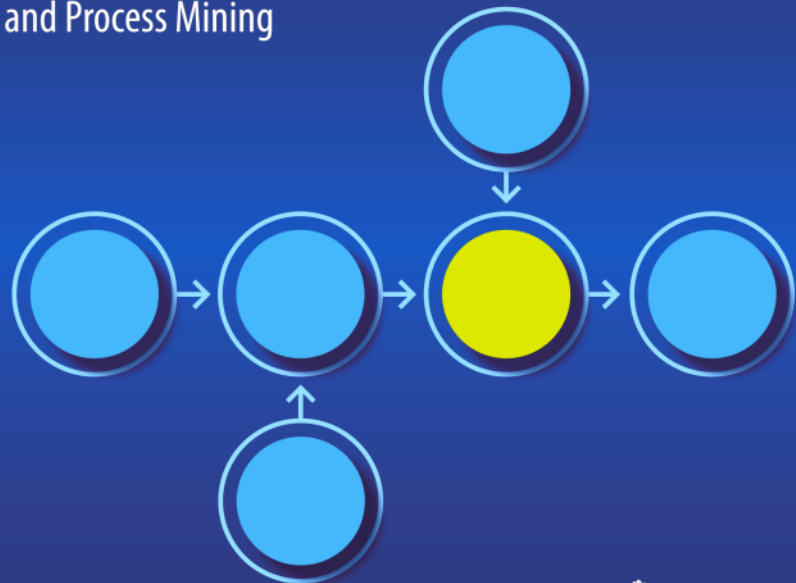
Boudewijn van Dongen and

Jan Mendling

(Editors-in-Chief)

# Process Science

Business Process Management  
and Process Mining





# INTERVIEW WITH CHATGPT ON THE FUTURE OF BUSINESS PROCESS MANAGEMENT RESEARCH

ChatGPT is a chat system that builds on a generative pre-trained transformer model. It is intensively discussed as a technology that can support creative thinking and brain storming. There were also first ChatGPT papers at BPM 2023. For that reason, we are glad that we had the chance to have ChatGPT for an interview on the future of BPM research.

**Jan:** Dear ChatGPT 3.5, why is business process management so important?

**ChatGPT:** Business process management (BPM) is crucial for organizations because it enables them to optimize and streamline their operations, leading to increased efficiency and effectiveness. By systematically designing, implementing, and improving processes, BPM helps identify bottlenecks, reduce errors, and enhance overall productivity. It fosters adaptability, allowing businesses to respond to changing market conditions and customer needs. Moreover, BPM facilitates better collaboration among different departments, aligning their efforts with organizational goals. Ultimately, a well-implemented BPM strategy enhances agility, customer satisfaction, and the overall competitiveness of a business.

**Jan:** Colleagues recently published a paper on The biggest business process management problems to solve before we die, listing several BPM research challenges: BPM-driven value creation from data, expansive BPM, automated process redesign, digital twins, the lack of objectivity in process descriptions, fixed granularity levels for process analysis, augmenting process mining with common sense and domain knowledge, worker-centric process management, and mining processes using stochastic data. Are there any additional challenges that you want to highlight?

**ChatGPT:** While the challenges you mentioned are indeed significant, additional areas of concern in BPM research may include the ethical implications of process automation, ensuring data privacy and security in BPM systems, and addressing the scalability of BPM solutions in large and complex organizations. Additionally, the integration of emerging technologies like artificial intelligence and blockchain into BPM



processes poses both opportunities and challenges that require further exploration. Striking a balance between standardization and flexibility in BPM frameworks is another ongoing challenge to cater to diverse organizational needs.

**Jan:** What do you believe could be the most important of all of these challenges?

**ChatGPT:** Determining the most important challenge among these depends on the specific context and priorities of the organization. However, the ethical implications of process automation could be considered particularly crucial. As businesses increasingly rely on automated processes, it becomes imperative to address ethical concerns related to job displacement, algorithmic bias, and the overall impact on society. Striking a balance between efficiency gains and ethical considerations is essential for the responsible development and deployment of BPM systems, ensuring that they contribute positively to both organizational success and societal well-being.

**Jan:** Which kind of research designed could help to get new insights into this topic?

**ChatGPT:** To gain new insights into the ethical implications of process automation and related challenges in business process management (BPM), a multidisciplinary research approach could be valuable. Here are some suggested research designs:

**Interdisciplinary Studies:** Collaborate with experts in fields such as ethics, sociology, and psychology to understand the societal and human impact of automation on the workforce.

**Longitudinal Studies:** Conduct long-term studies to track the effects of BPM implementations on employees, job markets, and communities over time. This could help identify trends, challenges, and potential mitigation strategies.

**Case Studies:** Analyze specific organizations that have implemented BPM systems, focusing on ethical considerations, employee experiences, and societal impacts. This qualitative approach can provide in-depth insights.

**Surveys and Interviews:** Gather perspectives from employees, managers, and stakeholders involved in BPM implementations to understand their ethical concerns, experiences, and suggestions for improvement.

**Comparative Analysis:** Compare different BPM systems and their ethical frameworks to identify best practices and potential areas for improvement. This could involve evaluating the impact on diversity and inclusion, as well as the transparency of decision-making processes.

**Scenario Analysis:** Develop hypothetical scenarios to explore potential future ethical challenges in BPM, allowing researchers to anticipate issues and propose preemptive solutions.

**Policy and Regulation Analysis:** Examine existing and proposed regulations related to BPM and automation, evaluating their effectiveness in addressing ethical concerns. Propose policy recommendations based on the findings.

**Ethical Design Frameworks:** Develop frameworks for integrating ethical considerations into the design and implementation of BPM systems, ensuring that ethical principles are embedded from the outset.

By combining these research methodologies, researchers can obtain a comprehensive understanding of the ethical challenges associated with BPM-driven automation and contribute valuable insights to the ongoing dialogue on responsible technology adoption.

**Jan:** I see that you mostly point to empirical research designs. How could computer sciences and algorithm engineers help?



**ChatGPT:** Computer scientists and algorithm engineers play a crucial role in addressing the ethical challenges of BPM-driven automation. Their expertise can be leveraged in several ways:

**Algorithmic Transparency and Explainability:** Develop algorithms that are transparent and explainable, allowing stakeholders to understand how decisions are made within BPM systems. This transparency enhances accountability and helps identify and rectify potential biases.

**Ethical by Design:** Integrate ethical considerations into the design phase of BPM systems. Algorithm engineers can contribute by developing frameworks that prioritize ethical principles, such as fairness, accountability, transparency.

**Fairness in Algorithms:** Research and implement algorithms that prioritize fairness, ensuring that automated processes do not disproportionately impact certain groups. This involves addressing biases in data and algorithmic decision-making.

**Human-AI Collaboration:** Design BPM systems that facilitate collaboration between humans and AI. This can involve creating interfaces that allow employees to understand and influence automated processes, promoting a more inclusive and human-centric approach.

**Security and Privacy Measures:** Implement robust security measures to protect sensitive data within BPM systems. Algorithm engineers can contribute by developing encryption techniques and privacy-preserving algorithms that prioritize data protection.

**Continuous Monitoring and Adaptation:** Create algorithms that enable continuous monitoring of BPM systems for ethical issues. This includes the ability to adapt and evolve algorithms in real-time based on feedback and changes in the business environment.

**Responsible Data Practices:** Develop and promote best practices for responsible data collection, storage, and usage within BPM systems. This includes implementing safeguards against data breaches and unauthorized access.

**Algorithmic Impact Assessment:** Create tools and methodologies for conducting impact assessments on the algorithms used in BPM systems. This involves evaluating the potential social, economic, and ethical consequences of algorithmic decisions.

**Stakeholder Engagement:** Engage with diverse stakeholders, including ethicists, social scientists, and end-users, to ensure a holistic understanding of ethical considerations in BPM. This collaboration can lead to more comprehensive and well-rounded solutions.

By actively involving computer scientists and algorithm engineers in addressing ethical challenges, organizations can develop BPM systems that not only optimize processes but also adhere to high ethical standards, fostering trust and responsible technology adoption.

**Jan:** Do you see any connections with research on ChatGPT?

**ChatGPT:** Certainly, there are several potential connections between research on ChatGPT and related technologies and the broader field of business process management (BPM) with a focus on ethical considerations. Here are a few points of connection:

**Conversational AI in Business Processes:** Explore how conversational AI technologies, like ChatGPT, can be integrated into BPM systems to enhance communication and interaction within business processes.

**Ethical AI in Conversational Systems:** Investigate the ethical implications of using conversational AI in business contexts. This includes considerations such as bias in language models, user privacy, and the impact on human workers.

**Human-AI Collaboration in BPM:** Examine how ChatGPT and similar technologies can facilitate collaboration between human workers and AI in the context of BPM. This involves designing systems that enhance human decision-making and creativity.

**Algorithmic Transparency and Explainability:** Explore methods to make the decision-making processes of AI models, including language models like ChatGPT, more transparent and understandable. This aligns with the broader theme of algorithmic transparency in BPM.

**User Experience and Interaction Design:** Investigate the user experience of interacting with conversational AI in BPM scenarios. Consider the ethical dimensions of user engagement and potential challenges in ensuring a positive and inclusive user experience.

**Data Privacy and Security:** Explore how data privacy and security concerns associated with conversational AI can be addressed in the context of BPM. This

includes securing sensitive information shared during conversational interactions within business processes.

**Worker-Centric AI Systems:** Consider how AI technologies can be designed to empower and support workers in BPM. This involves addressing ethical concerns related to the impact of AI on job roles and job satisfaction.

**Ethical Chatbot Design:** Research best practices for designing ethical chatbots within BPM, ensuring that these systems align with organizational values and adhere to ethical guidelines.

Integration of conversational AI into BPM processes introduces new dimensions of user interaction and decision-making, and it's crucial to approach these advancements with a careful consideration of ethical implications. Researchers at the intersection of ChatGPT and BPM can contribute valuable insights to the responsible development and deployment of AI technologies in business contexts.

**Jan:** What kind of recommendations do you have for researchers who want to start working on these topics?

**ChatGPT:** Researchers interested in exploring the intersection of ChatGPT, conversational AI, and business process management with an emphasis on ethics should begin by immersing themselves in relevant literature spanning AI ethics, BPM methodologies, and human-computer interaction. Engage with interdisciplinary communities and conferences, fostering collaborations with experts in AI, business ethics, and BPM. Emphasize user-centric research, considering the ethical implications of AI-driven conversational systems on both workers and organizations, and actively contribute to the ongoing dialogue on responsible AI deployment in business processes.

**Jan:** Thank you for this interview!

**ChatGPT:** You're very welcome! If you have any more questions in the future or need assistance, feel free to reach out. Happy researching, and have a great day!



# LOOKING BACK AT BPM 2023 IN UTRECHT

It is our pleasure to look back on a wonderful BPM 2023, held in the heart of Utrecht's city center. Around 350 attendees gathered from September 11 to 15 to exchange ideas, insights, and experiences in the field of BPM.



Utrecht, The Netherlands






13 september 2023



The conference kicked off with an inspiring doctoral consortium, setting the tone for the days to come. Early attendees also got a taste of friendly competition with the inaugural BPM football tournament, which, fortunately, concluded without any injuries but with a few bruised egos.

The next day saw a record-breaking eleven workshops taking place at two different locations, facilitating in-depth discussions and learning opportunities. The main event took place at TivoliVredenburg, a prestigious music complex in the city, where the conference was packed with academic content. This included three engaging keynote presentations that offered valuable insights into BPM trends and challenges.

The conference was not just about work but also about building connections and enjoying social and culinary experiences. Attendees bonded over gatherings at the Railway Museum and HAPP's, savoring both the local cuisine and the city's cultural heritage.

The conference culminated with an industry day, where academics and practitioners came together to collaborate on addressing the significant challenges that organizations face in the ever-evolving world of BPM.

For those who want to capture the essence of the event, an aftermovie is available, offering a visual glimpse of the conference's highlights and the vibrant atmosphere that characterized the BPM conference of 2023.

With that, we hand over to next year's organizers with much anticipation of what is to come!

Hajo Reijers, BPM 2023 General Chair  
Inge van de Weerd & Jan Martijn van der Werf, BPM 2023 Organizing Chairs

All proceedings volumes of BPM 2023 are listed on the website of DBLP:

<https://dblp.uni-trier.de/db/conf/bpm/index.html>



# REFLECTIONS OF THE BPM 2023 PC CHAIRS

The 21th International Conference on Business Process Management (BPM 2023) was held on September 11-15, 2023, in Utrecht, the Netherlands.

Again, BPM 2023 followed the approach of the three main research tracks reflecting the different communities of the conference series. Track I addressed foundational methods for researching the underlying principles of BPM. Track II dealt with engineering aspects. Track III aimed at advancing managerial and socio-technical aspects in and across organisations.

The conference received a total of 167 submissions. 151 submissions thereof went into review: 40 in Track I, 62 in Track II, and 49 in Track III. Each paper was reviewed by three program committee (PC) members of the respective track; reviews were single blind. After a

discussion phase between the PC, the discussion was summarised in a meta-review by the senior PC member offering their recommendation to the PC chairs. This thorough review process resulted in 27 accepted papers (7 in Track I, 11 in Track II, and 9 in Track III, with a 16.17% overall acceptance rate). Moreover, the review process resulted in the acceptance of 23 papers in the BPM Forum.

The accepted papers show the wide variety of topics and methods that characterise the BPM community. Topics included design patterns and languages, resource and task management, cognitive aspects of BPM as well as the process-mining-related topics. The program also included three invited keynotes: Marc Kaptein, Medical Director at Pfizer, talked about the roll-out

process of Pfizer/BioNTech's corona vaccine; Marta Kwiatkowska, University of Oxford, delved into how formal methods and machine learning can be applied in BPM; and Matthias Weidlich, Humboldt-Universität zu Berlin, highlighted the link between database systems and BPM; and

Our special thanks go to the BPM conference committees for their impeccable support during the reviewing process and beyond, especially to the tracks' PC and senior PC members.

Chiara Di Francescomarino, Andrea Burattin, Christian Janiesch, and Shazia Sadiq (BPM 2023 PC Chairs)



# BPM 2023: AWARDS OF THE MAIN CONFERENCE

As for previous editions of BPM, several awards were handed out during BPM 2023 in Utrecht during the conference dinner in the Railway Museum.

The Best Paper Award went to the paper "POWL: Partially Ordered Workflow Language" written by Humam Kourani and Sebastiaan van Zelst for the extent of their contribution, which goes beyond the definition of the language and reaches out to the mining of models as well.

The Best Student Paper Award went to Clemens Schreiber, Amine Abbad-Andaloussi, and Barbara Weber for their work entitled "On the Cognitive Effects of Abstraction and Fragmentation in Modularized Process Models," which was conducted in a very rigorous and robust way, presenting interesting and original socio-technical outcomes.

Runner-up for the Best Student Paper Award was the paper "Action-Evolution Petri Nets: a Framework for Modeling and Solving Dynamic Task Assignment Problems" by Riccardo Lo Bianco, Remco Dijkman, Wim Nuijten, and Willem Van Jaarsveld.

The Best Reviewer Award 2023 went to Niels Martin. Thank you for a tremendous job during the review process to Niels, and all the other reviewers who put a lot of effort into their work! His reviews were merely the tip of the iceberg.

Further, there were two forums on Blockchain and RPA. The Best RPA Forum Paper Award went to Petr Prucha and Peter Madzik for their "SiDiTeR: Similarity Discovering Techniques for Robotic Process Automation." The paper proposes a method to compare the

similarity of different RPA bots which enables building components and increasing component-reuse with the potential to create impact both in research and practice. In this category, the runner-up was "Migrating from RPA to Backend Automation: An Exploratory Study" by Andre Strothmann and Matthias Schulte.

Lastly, the Best Blockchain Forum Paper Award was "Towards Object-centric Process Mining for Blockchain Applications" written by Richard Hobeck and Ingo Weber.

All award winners of BPM 2023 are listed on our website:

<https://bpm-conference.org/awards/>





# BPM 2023: DEMO AND DISSERTATION AWARDS

At the Demos and Resources Forum at BPM 2023, 16 excellent contributions were accepted and presented on Wednesday afternoon at the location of the main conference, Tivoli Vredenburg.

To enhance its visibility, each contribution was related to papers with a similar topic from a prior BPM Main or BPM Forum session and advertised through flyers during such sessions.

After careful consideration, the best paper award of the Demonstrations & Resources Forum at BPM 2023 was handed out to "BPMN Inspector: A Tool for Extracting Features from BPMN Models" by Ivan Compagnucci, Flavio Corradini, Fabrizio Fornari and Barbara Re. We were particularly impressed by the strong potential impact of the tool for BPM practitioners and educators.

Further contributions showcasing the large variety of the BPM field were:

- An uncertainty-aware event log of network traffic
- A Tool for Visualizing Costs of Process Variants through Directed Rooted Trees
- SimuBridge: Discovery and Management of Process Simulation Scenarios
- BPM Hub: An Open Collection of UI logs
- A Collection of Simulated Event Logs for Fairness Assessment in Process Mining
- Internet of Processes and Things: A Repository for IoT-Enriched Event Logs in Smart Environments
- SLURMminer: A Tool for SLURM System Analysis with Process Mining
- Alignment Approximator: A ProM Plug-In to Approximate Conformance Statistics
- BIG GUI: a tool for building and analysing instance graphs

- The Droid You're Looking For: C-4PM, a Conversational Agent for Declarative Process Mining
- Process-pattern.app - A collection of business process redesign patterns
- From LTL on Process Traces to Finite-state Automata
- The Social Process Mining Cockpit: A Collaboration Pattern Detection Tool for Enterprise Collaboration Systems
- BPMN2Constraints: Breaking Down BPMN Diagrams into Declarative Process Query Constraints
- DALG: The Data Aware Event Log Generator

The proceedings are available at <https://ceur-ws.org/Vol-3469/>.

Andrés Jiménez Ramírez, Tijs Slaats and Karolin Winter (BPM 2023 Demos and Resources Forum Chairs)

The best dissertation award went to Simone Agostinelli for his thesis on Generating Executable Robotic Process Automation Scripts from Unsegmented User Interface Logs. Runner-up was Iris Beerepoort for her thesis on Workarounds: The Path from Detection to Improvement. Congratulations!

Jan Mendling

(BPM Dissertation Award Chair)



## TEST OF TIME AWARDS OF BPM 2023

The biennial BPM Test of Time Award honors the paper with the highest impact, which was presented nine or ten years ago at the BPM conference. This impact is measured in terms of the number and quality of citations in later works. This year's award considered the papers of the BPM 2013 and BPM 2014 conferences, together with related journal versions if available.

The clear winner of the BPM 2023 Test of Time Award is the paper A General Framework for Correlating Business Process Characteristics by Massimiliano de Leoni, Wil M. P. van der Aalst, and Marcus Dees, which was presented at the BPM 2014 conference in Eindhoven (relocated from Haifa, Israel). An extended version of this work was also invited to the BPM 2014 Best Paper Special Issue (A General Process Mining Framework for Correlating, Predicting and Clustering Dynamic Behavior based on Event Logs, Information Systems 56, 2016).

This outstanding work deals with answering questions like "What do the cases that are late have in common?", "What characterizes the workers that skip a particular activity?", and "Do people work faster if they have more work?". For this purpose, a general framework for deriving and correlating business process characteristics is provided. The approach is generic and implemented as plug-in for the ProM framework.

According to Google Scholar the BPM 2014 paper and the related journal article were cited 350 times, which is an impressive number indicating that this work triggered much further research.

The runner-up, presented at the BPM 2013 conference in Beijing, is the paper Modeling and Enacting Complex Data Dependencies in Business Processes by Andreas Meyer, Luise Pufahl, Dirk Fahl, and Mathias Weske. This paper deals with the problem of modeling processes with complex data dependencies (e. g., many-to-many relationships) and the automated enactment of the resulting data-aware process mo-

dels. The paper was cited 141 times according to Google Scholar.

The BPM Steering Committee congratulates this year's BPM Test of Time awardees.

Manfred Reichert (on behalf of the BPM Steering Committee)

