

detailed Programme KBC Winter School 2023

speakers & abstracts of KBC Winter School 2023

Sessie	Foto	Віо	Торіс
13/12/23 11:00 – 12:00	Eline Provost	Eline has an MA degree in Biomedical Sciences with a PhD in Sciences – Biology obtained @ Hasselt University in 2019. For her epidemiological research into the adverse health effects of exposure to particulate air pollution, she used non-invasive techniques to characterize vascular features in both children and adults. From 2017 to 2021, Eline worked as a staff employee at the Department of Trauma Surgery @ University Hospital Leuven, where she was responsible for improving the quality of care for severely injured patients through networking. Eline is relatively new @ KBC. Since December 2021 she works as a business data steward for retail lending, deposits & real estate data.	You have more skills than you realise, dare to jump! How to look for jobs outside academia and highlight the skills that you have developed throughout your PhD, based on my personal experiences going from academia to the public sector to the private sector (aka How I got hired at a bank while I knew nothing about banking).
13/12/23 11:00 - 12:00	Neda Bebiroglu Neda Bebiroglu Marco Ognibene	 Neda started her studies in Istanbul and finalized her MA degree in Psychology at the New York University. After obtaining her PhD in Child Development at the Tufts University in Massachusetts she executed a Postdoc position in London and Louvain-la-Neuve. Today Neda is working for the Observatoire de la Recherche et des Carrières Scientifiques-F.R.SFNRS helping PhDs in their transition from academia to industry. Marco embarked on his studies in Rome and obtained an MA degree in political science at the Université Libre de Bruxelles (ULB). After achieving a PhD in Political and Social Sciences, granted by ULB, he enriched his academic experience with a postdoctoral fellowship in Psychology at the University of Cambridge. Transitioning seamlessly from academia to the corporate world, he assumed the role of Behavioural Psychologist and Data Analyst at KBC at the people analytics section (Corporate Human Resource). Today, Marco is working for the Observatoire de la Recherche et des Carrières Scientifiques- F.R.SFNRS, helping PhDs graduates in their journey from academia to industry. 	What data say about the transition toward industry Based on the perspective of over 3,500 doctorate holders and 614 non-academic employers, our presentation will delve into the job transition of doctorate holders. We will assess the employment status of doctorate holders, evaluate whether they are equipped with the skills they need once they enter the labour market, and explore the added value they bring to non-academic sectors. We will conclude by providing valuable insights on how to best prepare for a successful transition into the workforce.





13/12/23 11:00 - 12:00	Jeroen Bastiaansen	PhD in Physics in 2003 from KU Leuven - title: 'Electronic Processes during Sputtering of Metals studied by Resonant Laser Ionization' or, in other words, shooting atoms hard at metal surfaces and using lasers to find out what is happening at the surface. Senior Policy Advisor at Commercial Banking, so (in team) setting out the outline of how Commercial Banking wants to position itself to its customers: corporates and SMEs. What propositions and products do we want to offer to the customer, and in what way.	 Opportunities and challenges in a large company a. KBC gives career opportunities to PhDs: started in quant function in the markets room environment, but from there more and more drifted away from the quant/mathematical to the more economic/banking side Included in that path very diverse roles: leadership, commercial function, foreign deployment as an expat. During your PhD, you acquire skills that help you do this b. Independence Reporting and presentation skills (eye for detail and accuracy) Accustomed to speaking in front of critical audiences Analytical ability Yet some things will be adjusting at the beginning c. Balance between correctness and pragmatism d. Collaboration
13/12/2023 13:00 - 14:00	Erik Lauwers	 Erik holds an MA degree in Electrical Engineering from KU Leuven. In 2003, he obtained a PhD in Applied Sciences with a book about techniques for systematic top-down analog circuit design from the same university. After some years of startup experience, he joined KBC Asset Management in 2006. Since then, he has been working for more than 17 years at KBC where he is currently active in the modeling team of Group Finance. 	Do not forget your research skills: the academic reflex He will talk about how keeping in sync with the "academic reflex" while working at KBC has always delivered a win-win situation. The only difference really is that the focus is on added value for your (internal) clients and not on advances in science. Erik will present his KBC journey with examples linking to the above.
13/12/2023 13:00 - 14:00	Fabrice Deprez	Fabrice Deprez is CEO of Discai, directly reporting to the KBC group CEO, Johan Thijs. DISCAI is a Fintech fully owned subsidiary of the KBC Group which is commercializing the innovative Artificial Intelligence applications it develops in-house. The first application available focuses on the combat against financial crime, money laundering more precisely.	The war against financial crime Fabrice will explain which impact Financial Crime has on Banks and Insurance. As opposed to the public opinion (Banks and Insurance are the bogeyman) the effort made in the financial industry against Financial Crime helps individuals (saving their financial belongings) but also the society. Fabrice will give an overview about Financial



			Crime completed by the use of technology and fair AI to fight back.
13/12/2023 13:00 - 14:00	Elise Vissenaekens	Elise finished her PhD on simulations of current and future marine circulations in the Mediterranean for applications in connectivity ecology in 2022 at Sorbonne University Paris Additionally she holds a Master in Marine Biology and Biological Oceanography at Université Pierre et Marie Curie and UGent as well as a Bachelor in Biology. Elise is working as Model Validator at KBC as of early 2022.	Young and international PhD @ KBC Elise's talk will be about her studies and her way to KBC. In combination with international colleagues (also PhD- holders) she will showcase what it takes to join an international multidisciplinary team of high-trained colleagues. Together with international testimonials her speech will give you insights in the first year of working in a corporate environment.
13/12/2023 14:15 - 15:15	Paul Brugman	After an MA in Economics at the Tilburg University Paul obtained a PhD in strategic management at the VUB. His main topic was focused on understanding how and to what extent the interaction between firm specific and location specific advantages determines competitive advantage and where this interaction breaks down. After a period as Senior Associate Paul changed to KBC where he worked as Team Coach and Relationship Manager in several portfolios.	A PhD in commercial: Advantages & pitfalls As Paul combines commercial experience with having a PhD he will discuss his experience of applying your PhD skills in a commercial environment - advantages & pitfalls. He will focus on the added value of having a PhD in a commercial environment (broad interest, trained to dig deeper & see a broader picture, capacity to process large volumes of information). He will also delve deeper into the potential pitfalls (analysis paralysis, know when to stop digging).
13/12/2023 14:15 - 15:15	Johan Thiers	Johan holds an MA in Applied Economics of the University of Antwerp. He has been working for KBC since 1995 and held different functions across KBC ranging from Corporate Relationship Manager to Head of Finance for Central Europe, GM Group Strategy, CFO of BU Belgium and Head of Finance and Consolidation and Group Finance. Since 2023 Johan is responsible for the sustainability program in BU Belgium where he drives the Belgian sustainability program with the ambition to support our clients in different segments in their transition to a more sustainable way of living, investing and doing business. KBC aims to be the reference in this domain.	 Sustainability: KBC in action in Belgium Short testimonial of: how we organize ourselves in the domain of sustainability what KBC is proud of to have realized during the past years which external commitments we've taken for the future how we support customers in their transition to a more sustainable way of acting and their ESG Journey and what we offer them (in the different segments) to support their transition.



13/12/2023 14:15 - 15:15	Philippe Jacobs	 I received my PhD in Mathematics in 1998 from KU Leuven. My PhD deals with a problem from number theory, namely finding a formula for the number of roots of a polynomial with integer coefficients "modulo" the power of a prime number. That is, filling in the root in the polynomial, you get an integer multiple of this power, e.g. 3 is a solution of the polynomial equation x*x+2=0 modulo 11. To study this problem, I used rather complicated techniques from complex analysis and algebraic geometry. I am currently working as a "Risk Model Developer" within the Models&Model Risks department reporting to the Chief Risk Officer of KBC Group. We model KBC Group's risks at portfolio level such as the loan portfolio or the insurance portfolio. 	 My transition: learnings and motivation Contents: my background as PhD and motivation to work for a bank job content of both model developer and model validator (e.g. models for pricing options on equities, Value-at-Risk, capital models, Economic Scenario Generator, stochastic processes, machine learning, quantum computation,) work environment at KBC (cooperation, career, learning, travelling, opportunities,) strengths and weaknesses of PhD profile
13/12/2023 15:30- 16:30	Kristien Meykens	 PhD in Sciences (Physics, 2000), Institute for Material Research, UHasselt - titel: "Study by means of photothermal deflection methods of the opto-electronic properties of CVD diamond in relation to the defect population" Current job: APMO (Agile Program Management Office) lead for CRO & CFO Services. Responsibilities APMO: supports senior management in defining, budgeting and planning the initiatives (IT projects) needed to realize their strategic ambitions, and in following up the implementation. Scope CRO & CFO services: includes Group Risk, Group Credit Risk, Model & Model Risk, Group Finance, Group Treasury, Group Compliance, Group Legal and DQM (=Group Data Quality Management) After teaching physics at UHasselt she joined KBC in 2001. Main roles/domains are Asset Management (international scope) Senior Product developer, head of Innovation: team management, business development, financial modeling, international cooperation, innovation strategy, change. Klant 2020 (Belgian change program) Program manager Savings & Investments: digital transformation, head of competence center Customer Experience: Service Design, Design thinking, UX, customer journeys, leadership, quality, SAFe transformation lead for business Belgium, Communication department BUBE & program mgt COMM The Next Level 	 Experienced PhD: why to stay in your job Contents: experiences as a PhD at KBC why still with KBC after 20 years, what does KBC have to offer what knowledge and skills do you learn during a PhD and adds value for KBC what is good to know about a career outside university: lessons learned and tips => Interactive session



13/12/2023 15:30- 16:30	Stefan Garaleas	Stefan is Head of Corporate Culture & Change. In this position he is responsible for the culture of KBC: PEARL+ At KBC he started his career as Head Financial Ethics followed by several positions at Group Compliance. Today Stefan is head of the team creating initiatives linked to the culture, stimulating colleagues to live the culture on a daily basis, achieving the best possible results.	KBC Team Blue culture: what is it about "Culture eats strategy for breakfast" as Peter Drucker said. But what is a culture and how to ensure that culture is not only a piece of paper? In his speech Stefan will guide you through why it is important to have a culture, what you can do to keep culture alive and how we at KBC apply these aspects to our company culture PEARL+
13/12/2023 15:30- 16:30	Nele Vandaele	 PhD in Applied Mathematics in 2010 at Ghent University. My PhD investigated quadratic hedging strategies in finance and insurance, where the goal was to set up hedging strategies with a minimal hedging error. The theory was applied to the pure financial market, to the insurance market, as well as the commodity market. After my PhD, I've started in the insurance risk department of KBC Group and finished meanwhile my studies in Actuarial Science at KU Leuven. After 8 years of risk and various functions, I've started as General Manager responsible for the non-life products within KBC Insurance in 2018. Since then, I'm responsible for the car insurance, home insurance, family insurance, within the Belgium business unit. 	My PhD helped me to become successful I will highlight the experiences from my PhD which helped me in my further career and add some essential elements to become successful in business. Next to that, I will explain how the sustainability strategy is implemented in KBC Insurance, which concrete impact climate change has for an insurer and how we adapt to these new challenges.
14/12/2023 10:15-11:15	Anne Van Mulders	 Anne obtained an MA in Electromechanical Engineering (VUB) in 2007, and finalized her PhD in Engineering (system identification for nonlinear black-box models) at VUB in 2012. In October 2014, after a few postdoc years, she joined KBC, where she worked in the following positions: credit risk modeller (bank), quantitative risk manager (asset management), and sustainability expert (with a focus on climate change). During her time at KBC, she also broadened her knowledge by following a postgraduate course on corporate finance (at KLL leuven) 	Should I be happy for leaving academia? Why did I choose to leave the academic world? Am I happy about this decision? How did I end up at KBC? Did I experience a cultural shock? Did I enjoy my time at KBC so far? What skill set did I acquire at university, and what skills could I improve at KBC? Which functions did I fulfill until now? What motivates/motivated me in these functions? Are you curious about the answers, or do you have any
		following a postgraduate course on corporate finance (at KU Leuven).	Are you curious about the answers, or do you have any other question? Then, join my talk!



14/12/2023		PhD in Mathematics in 2006 at Ghent University with focus on the	From rain to risk models
10:15-11:15		physical aspects of Numerical Weather Prediction. After a few	During my studies I discovered my interests in numerical
	38	additional years within the European Weather modelling community,	weather prediction. I executed research on the domain
		Bart joined KBC in 2010, shortly after the peak of the financial crisis.	concerned the thermodynamic interaction between local
		Bart joined the Risk function as risk modeler, focusing first on	physical phenomena (such as rain) and the large-scale
		ALM/treasury risks. After a few years scenario generation of market	dynamics of the atmosphere. Today I'm a team head of
	Bart Catry	drivers became a second area of expertise.	risk modelling in KBC.
	Dart Catry	In 2015 Bart became head of the risk modelling team which provides	Although this seems to be very different from each other,
		technical skills, analyses, models and tools towards our internal	I have been able to learn what commonalities and
		stakeholders within the risk domain (and beyond).	challenges lie here. Interested? Then follow my post
			about "From rain to risk models".
14/12/2023	A CONTRACTOR OF A CONTRACTOR OFTA CONT	I studied Art History and Religious Studies at KU Leuven and the	From humanities to technology
10:15-11:15		Eberhard Karls Universität Tübingen. In 2015 I obtained a PhD in	I have made a quite drastic career switch from a research
	Anter Carden Sta	Theology (KU Leuven) with a philological study of the Graeco-Jewish	field in the humanities (interdisciplinary research at the
		truth concept in the gospel of John, in the broader context of a	intersection of religious studies and art history) to a
		philosophical hermeneutics for Jewish-Christian dialogue.	position as a policy adviser vendor management in IT
	Laura Tack	I have always been passionate about connecting research areas that	(eWorkplace, S2E, KBC IT BE).
		were previously unconnected, so as a postdoc I further specialized in	In my current job my academic skills (analytical,
		interdisciplinary research at the intersection of art history and religious	communicative, out of the box creative thinking) are an
		studies, combining Warburgian studies, iconology and visual exegesis.	added value and enrich the diversity of other (mainly
		I joined KBC in 2022 to work as a policy adviser vendor management in	technical) skills existing in our department.
		KBC IT BE (Dock!Capital), where I continue to put into practice what I	I consider my years in academia as a transformative
		love to do: out-of-the box thinking, creating links, analyzing,	experience that prepared me for the job market in so
		communicating.	many different ways. Indeed, research experience not
		_	only transforms one into a highly specialized person, but
			also into a richly and, above all, diversely skilled person.
			Unfortunately, the latter is all too often forgotten.
			How can one become more aware of one's own
			transferrable skills? This will be the key take away of my
			talk.



14/12/2023 11:30 – 12:30	Ingrid Paulus	The subject of my PhD was "Modelling subjective quality classification of Jonagold apples by linking objective measurements with experts' decisions" (1998). A long title for a PhD, linking video analysis to human interpretation of fruit quality. The PhD is situated at the interaction of 3 domains ('Datamining', 'engineering (image & video analysis' & psychology (human interpretation)). In fact, it was a pioneer-study in image recognition and artificial intelligence. After a postdoc, linking a box design for fruit cakes (Lu) and the willingness to buy, viewpoint child/mother, I switched to private labour market. I was a consultant at SPSS and later I worked many years on the Basel II-modelisation at Fortis. I was always interested in modelling human behaviour. Wondering that it is so easy to express in numbers After 20 years at Fortis, I felt the need for change: KBC Insurances. The	Co-existence of drama, music, work and fun Ingrid will talk about her personal career in combination with the things she did aside to focus on the co-existence of a professional life and private development. Starting as bio-engineer, PhD, postdoc, SPSS, 20 years at Fortis with many years the Basel II regulation, and my post-university career. Currently working at Data Driven Transformation Team of KBC Verzekeringen. In her private life she followed 6 years drama & theatre, started a family and currently she is learning the piano. To bring to the youngsters the message that personal development is still possible in a post-academia life.
		forerunner attitude in data sciene of KBC is very appealing to me. I started at January 2023 at KBC and I am now the product owner of the Visual Reporting team with many challenges and changes to be tackled.	
14/12/2023 11:30 – 12:30	Tim Wouters	 PhD in Science - Mathematics (2010 – KU Leuven) - title "Cohomological invariants of SK1". Tim studied a specific way (cohomological invariants) to approach a – back then open – conjecture on specific algebraic structures, so-called central simple algebras and their K-groups (SK1). Current Job at KBC: Business Development Manager Non-Life Insurance. After my PhD, I joined the Risk Management department at KBC Group for 7 years, after which I spent 5 years in ERGO Insurance Risk Management, of which 3 years as Chief Risk Officer. In 2022, I started again in KBC focusing on product development non-life insurance for 	 My way of shaping the future <i>"I did it my way"</i>, Frank Sinatra sang, and I am doing as well. I will focus on my varied career path and how my studies helped me at every stage: from genuine belief in academics and pure mathematics (and my back then profound aversion from everything that had a smell from being "applied"); over first steps into the financial sector focusing on risk models and later further deepening of my risk management skills, including board level experience at
		entrepreneurs.	a run-off company; to actively focusing on product development in an innovative setting of KBC – especially at KBC Insurance where we are shaping the future of insurance.



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14/12/2023 13:30 – 14:30	Sandor Hajdu	 2023 –present: Model Validator at KBC, area of work: Market Risk 2018 – 2023: PhD (and post. doc.) in Mathematics, University of Antwerp, Belgium. Research area: Differential Geometry. 2013 – 2018: Master in Pure Mathematics, and double Bachelor in Mathematics & Music (Choir conducting), University of Debrecen, Hungary. 	What combines music, mathematics and finance? I come from a family full of musicians, so following the tradition I learned music from an early age and pursued a Bachelor in Orchestral and Choir conducting. In the meantime I fell in love with Mathematics and now I work in finance. How come? What did I base my decisions on? How did I end up in Belgium at KBC? In this presentation I will answer these questions and provide you with some insights about the skills that connect music, math and finance.
14/12/2023 13:30 – 14:30	Ingrid Creten Willem De Poorter	Ingrid is Department Head Surf Studio & Surf Studio Labs (innovation hub of KBC). The SurfStudio's mission is "we empower teams to search and explore new business opportunities". Together with 254 colleagues international the Surfstudio connect 4585 community members. Within her career Ingrid was busy with training and innovation. She holds a Master in History. Willem De Poorter works as Communication and Innovation Manager at the Surfstudio. He connects people. People that share common interests, common values, common goals. Connecting people is the first step towards a hopefully everlasting innovation. He is trained communication manager.	Innovation in financial sector, trends and disruptors Together Ingrid and Willem will explain how KBC deals with innovation. Additionally, they will give insights into trends and disruptions with impact on the financial sector. What are FinTechs, where is the new gold and what will impact our future within the next years? This talk will lead you through the future. What do you need to know to arm for the future with disruption? Be sure to drop by and be amazed.
14/12/2023 13:30 – 14:30	Tristan Kuijpers	I have a PhD in Mathematics, received from KU Leuven in 2014. My PhD thesis was about "Aspects of p-adic geometry: Lipschitz extensions and monotonicity", and was situated on the intersection of algebra, geometry, analysis and model theory (logic). After my PhD I worked in several private companies, I worked as a teacher in secondary school, I started playing in a band and I started my own company of handmade furniture in wood and steel. Currently I'm working at KBC as data analyst customer handling.	A non-linear career I have definitely not followed a linear career path. I've worked in academia (PhD), in industry, in a startup, in public service (teacher) and now at KBC. In the meantime I renovated a house, started a family, started playing in a band and founded my own company of handmade furniture. In this session I'll talk about why I've made the decisions I've made, and what I've learned along the way. In this way I hope to inspire you for your own life journey.



	Kristof Oliviers	 Kristof is Department Head for Ecosystems. In this function he is responsible to identify, build-up and maintain ecosystems of the future. In his function he is also responsible for innovation and transformation. He holds an MA in Economical Engineering . Stefan is Blockchain Advisor at Surf Studio Labs, working on publicblockchain use-cases. He has a MA of Science in Civil Engineering Technology, a BA in Applied Computer Science and is following crypto for close to 7 years. 	Energy@KBC Kristof will take the top actual issue of energy and will guide you through the economical impact of ecosystems. What does energy mean for a company like KBC? Not only our own energy production and consumption but the energy produced and consumed by the society. Will energy be the next currency and what can be done. Crypto Stefan will focus on the disruptive attributes of blockchain-technology and not on the technical side. He'll zoom in what crypto-assets are, and how a new financial system is emerging. Finally, we'll go over some of the current cases of KBC and cover the potential future role for banks.
14/12/2023 14:45 - 15:45	Ruben Cambier	At Ghent University (department of Work, Organization and Society; Occupational Health Psychology Lab), Ruben's doctoral research focused on the psychological underpinnings of digital media at work and beyond, which combined insights from psychology and communication sciences. Findings of the dissertation yielded valuable insights into the crusade against the dark side of technology by employees and their employing organizations. Following his passion to work with data, he is now almost 12 months a Data analyst at KBC.	Publications v/s skills The amount of publications does not impress a recruiter and your extended knowledge of a narrow subject is most likely not relevant to the content of a future job. Nonetheless, the skills obtained from a PhD trajectory and the personality traits in order to survive the emotional roller coaster of it may not be underestimated. As Ruben recently changed from academia to industry, he will share his fresh experience during this transition.



14/12/2023 14:45 - 15:45	Dave Jennes Dave Jennes Mies Moens Frank Elsen	Dave Jennes - Department Head Skills Expertise Center KBC Group - leadership, commercial & personal development. When it comes to skill development and growing up in management skills Dave is the expert. He holds an MA in Law, and can relay on more than 25 years experience in Management and Legal advisory. Mies Moens is an experienced Manager with a demonstrated history of working in the financial services industry. Skilled in Banking, E- commerce, Insurance, Distribution, Project Management, Process Management, HR Performance and Talent Management and Leadership. Strong professional graduated from Indiana University Bloomington. She is currently Skill-Owner and Product Owner Skills & Progression Frank Elsen is Head of the department Learning Architects. With a team of 12 colleagues, we help our internal clients choose the best form of learning they want to achieve. We base our advice on a thorough knowledge of methodologies, technology and knowledge management practices.	Live long learning: continuum of your PhD In this session we will explain how skill-based learning and development is designed and how a company like KBC uses skills in development, progression and learning. A presentation how KBC is supporting livelong learning with smart tooling. A practical showcase will point out how KBC grows more and more towards a skill-based organization where skills and interests are as important as subject matter expertise.
E2 E3 E4	Abigail Swillens	Abigail combines a strong technical background with a passion for scientific communication. In 2006, she earned an MA in Engineering, majoring in applied physics and nuclear technology. Subsequently, she pursued a PhD in medical technology at Ghent University and NTNU (Norway), both obtained in 2010. As a postdoc and assistant professor, she established her own research group in medical ultrasound. She won national and international prizes for her work and scientific presentations. In 2016, she moved to a project lead position at Barco Healthcare. In 2020, she founded Clever Coyote (clevercoyote.be) with a mission to help science and tech professionals to clearly communicate complexity.	Pitching for PhDs (Session for semi-finals) How do you condense many hours of hard work into a compelling two-minute pitch? While this might seem a mission impossible, it has become a crucial skill in a world where people's attention span is shortening. This workshop will teach you the necessary steps to transform your work into a clear and convincing two-minute pitch. You will learn how to effectively transfer your knowledge but also how to spark emotion and turn your pitch into a memorable experience for any type of audience.



Ko	benraad Debackere	Koenraad Debackere holds degrees in Electrical Engineering (M.Sc.) and Management Sciences & Business (M.Sc. & Ph.D.). Since 1995, he is a professor technology and innovation at the Faculty of Economics and Business at KU Leuven. As part of his academic duties he was and is member of several committees and boards. He is member or chair of international scientific advisory boards in the areas of innovative technology development, intellectual property management & policy, and product innovation management. In the Board of Directors of KBC Group he is the chairman & independent director, chairman of Nomination Committee and Remuneration Committee.	Koenraad is key-note speaker and chairman of the KBC Winter School
Fra	rank Stumpe	PhD was about project management in complex-cybernetic systems to identify decision processes in investment projects. For international and intermodal supply-chain and investment projects I analyzed decisions and build an ontology and decision model. He worked as consultant in project- and change management and was lecturer at the RWTH Aachen for Project Management. Frank gives guest lecturers and is moderator of an international group about Project and Program Management and member of different Scientific Boards and Program Committees. His professional career is international and cross- industrial. Today he is working within Corporate HR as Project Officer for strategic programs and projects within the Group KBC.	Frank is the secretary of the KBC Winter School