

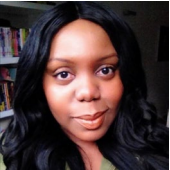






# Synopsis and Biographies Summer 2022 Conference


Speaker	Title	Synopsis	Speaker Biography
<p data-bbox="201 448 327 509">Jonathan Wright</p> 	<p data-bbox="394 448 600 578">Right into the Metaverse with Digital Twin Testing</p>	<p data-bbox="642 448 1377 846">The Metaverse blurs the boundaries between technology and the real world. The matrix of digital experiences (DX) from companies like Facebook and Microsoft introduce fully immersive digital workforce collaborations within Virtual, Augmented and Mixed Reality (VR/AR/MR) worlds. This leads to complex situations such as “how do you test new technologies like NFTs containing digital artefacts that span across Blockchain / Oracles / Crypto wallets of testing merchandise rendered onto your 3D avatar representation of your digital twin self on your daily-standup on Microsoft Teams Mesh.”</p> <p data-bbox="642 883 1297 948">How to shape your testing in the Metaverse to test digital worlds like Meta &amp; NFTs</p> <p data-bbox="642 985 1367 1115">Simple automated tests for VR/AR &amp; MR via OVR Model-Based Testing (MBT) patterns from ISO 29119-8 Image-Based Testing (IBT) of NFTs, crypto-wallets and blockchain (Ethereum)</p> <p data-bbox="642 1153 1318 1352"> <b>Take Aways</b>            Digital twin testing in the physical world (MBT/IBT)            Observability of complex real-world oracle meta test data (i.e. hyper-baselining)            Digital personas, experiences and interactions (i.e. Polygamification)         </p>	<p data-bbox="1398 448 1986 1385">Jonathon Wright is a strategic thought leader and distinguished technology evangelist. He specializes in emerging technologies, innovation, and automation, and has more than 25 years of international commercial experience within global organizations. He is the Chief Technology Evangelist and heads up Product Engineering (R&amp;D) for Eggplant a Keysight Technologies company. Jonathon combines his extensive practical experience and leadership with insights into real-world adoption of Cognitive Engineering (Enterprise A.I. and QAOps). Thus, he is frequently in demand as a speaker at international conferences such as TEDx, Gartner, Oracle, AI Summit, ITWeb, EuroSTAR, STAREast, STARWest, UKSTAR, Guild Conferences, Swiss Testing ndyDays, Unicom, DevOps Summit, TestExpo and Vivit Community. In his spare time he is the QA advisory lead for MIT for the COVID Paths Check foundation throughout the Coronavirus pandemic. He is also a member of Harvard Business Council, A.I. Alliance for the European Commission, Jonathon also hosts the QA lead (based in Canada) and the author of several award-winning books (2010 – 2022) the latest with</p>



			Rex Black on 'AI for Testing'.
<p>James Thomas</p> 	<p>Random Exploration of a Chatbot API</p>	<p>Three related coverage risks stood out when I joined a new project to build a chatbot API for Ada Health's medical symptom checker. With an infinite space of possible chats, how could we:</p> <ul style="list-style-type: none"> <li>* look for unintended consequences of changes as we built the API from the ground up</li> <li>* discover some of the edge and corner cases bugs that would surely exist</li> <li>* exercise the API to any significant extent before the very tight first deadline for delivery</li> </ul> <p>To help mitigate these risks I built a client which would randomly walk through dialogs, unattended, and report on what it had found.</p> <p>In this talk, I'll describe how I implemented that client by iteratively adding functionality that I hoped would facilitate my exploration of changes and fixes to the emerging API. I'll give examples of features that worked well (such as configuration of probabilities for different types of answers) and those that did not (such as checking for specific classes of medical outcome), explain how I built on top of the client to make a load testing tool, and think about what I'd do differently next time.</p> <p>Key takeaways:</p> <ul style="list-style-type: none"> <li>* automation is a tool for exploration</li> <li>* starting small, and early, and building incrementally, can be powerful</li> <li>* you can use tools to review the results of your bulk</li> </ul>	<p>James Thomas is Vice President of the Association for Software Testing, a non-profit organisation dedicated to the advancement of the testing craft. Over the years he's had many roles including developer, technical author, technical support, and manager, but the combination of intellectual, practical, and social challenges in testing are what really excite him. He's on Twitter as @qahiccups and blogs at Hiccups.</p>


		machine-generated results	
<p>Nicola Martin</p> 	<p>How Test Teams Can Help Reduce AI Bias and Improve Product Quality</p>	<p>When testing AI models, Data Scientists need to consider numerous factors when working with data to ensure they are taking steps to minimise bias. How can we in quality and testing teams help Data Scientists and engineers to create processes and approaches which help to test models and reduce bias effectively?</p> <p>The issue of diversity in tech is gaining more attention every day. As an example, only 19% of tech workers in the UK are women, and this is much less for other diverse groups. As QA integrates into engineering teams and get more involved in working with Data Science teams, it is even more important that companies address the lack of representation and how this affects overall software quality. This talk will address ways in which more diverse teams can have an impact on improving software quality and reducing AI bias.</p>	<p>Nicola is currently working in the AI and Data Science field as Head of Quality Engineering at Adarga.</p> <p>Nicola is passionate about increasing diversity and inclusion in Software Engineering. She is a panelist and speaker with over 20 years' experience in tech.</p> <p>She mentors and coaches professionals wanting to either change or develop their careers. She is a mentor for the British Computer Society (BCS), and is also a BCS Council member and committee team member for their Special Interest Group in Software Testing (SIGiST), Pride and BCSWomen specialist groups.</p> <p>Nicola was included in the Computer Weekly 2021 Long List for Most Influential Women in UK Tech and was a CW Women in Tech Rising Star. She has also been nominated in Global Tech Advocates Black Women in Tech 'Voices In The Shadows'.</p> <p>She speaks at global conferences focusing on quality, testing, diversity in tech and mentoring.</p>
<p>Alan Giles</p>	<p>Giving 'The User' A Face - Accessibility Testing Using Personas</p>	<p>Feature requirements and test scenarios are commonly written with the agent as 'the user' - but who is this mystical user in the real world? Efficiency says make them representative of the majority, but by doing so are</p>	<p>Alan Giles is Head of QA at Induction Healthcare, provider of innovative technology solutions across the secondary and community healthcare markets, with over 10 years' experience of software quality</p>

		<p>we missing crucial insight of real user experience? When having disabled users in mind, this is especially so - there is no majority. by creating personas based on real user groups, we can 'be' that person when designing and testing user experience and empathise so much more effectively. In this talk we walk through some real examples in a health-tech setting, and how they might inspire yours.</p>	<p>and test in a range of industries including FinTech and hospitality, especially enjoying the challenges digitisation and organisational transformation bring. Particular interests in automating apps and processes, hiring, and accessibility.</p>
<p>Deborah Reid</p> 	<p>Accessibility 101</p>	<p>Accessibility enables people with different abilities to access and interact with digital content better. But how can we make an impact as testers? I will share details around what accessibility means, why it's important (some information of those affected), how to measure accessibility, engage with the audience in some activities to understand some examples and show some tooling to do some accessibility testing yourself.</p> <p>I hope participants will take away a learning about the importance of digital accessibility, some insight into how to get started with some accessibility testing, and hopefully an understanding of the importance of the topic.</p> <p>No prior knowledge or skills required (because the tools are quite simple and easy to use).</p>	<p>I've been testing for 11 years, mostly exploratory risk-based testing in companies such as Arcadia and currently Bloom and Wild. I have a passion for accessibility and am keen to spread the word so we can make even more digital content accessible to as many people as possible</p>
<p>Andy Shaw</p>	<p>Mental Health, Testing and Me</p>	<p>Andy Shaw is keen on promoting mental health both within and outside the IT Industry. His talk will be focusing on mental health within software testing, and</p>	<p>Andy Shaw focused on developing a career as a software tester and has never looked back, gaining experience in testing desktop and web-</p>



		<p>why mental health is important whilst testing. Andy will also talk about his own experiences of mental health and how professionals can manage their mental health.</p>	<p>based software, as well as mobile applications and enjoys developing his knowledge and experience. He has also delivered talks about testing and career development, both online and at face-to-face events, and has recently began delivering talks about mental health. Outside of work, Andy has many interests, including martial arts, writing, travelling and is passionate about promoting mental health awareness.</p>
<p>Laveena Ramchandan</p> 	<p>Testing Data Science Models</p>	<p>Data is the new gold. Everyone is excited about Data Science and Machine Learning models. But there isn't much exposure to the world of Data Science as a Tester.</p> <p>In this talk, we will go through my journey of discovering data science model testing and how I contributed value in a field I have never tested intending to help inspire testers to explore data science models.</p> <p>Together we will understand the background of data science and how data plays a vital role in models? How to train a Data Science model keeping different personas in mind? How will we bring processes and strategies to make sure we capture the right output results, and the consumers still benefit from this? In a nutshell, making sure the model's quality is good and we have confidence in what we provide to consumers.</p> <p>By the end of this talk, you will be able to explore testing models and how to make sure the quality of a model is</p>	<p>Laveena is a passionate Test Manager who has been testing for nearly 10 years and is always seeking to learn and share. She's a community leader for data science testing and testing in general. Her entry on the digital platform has enhanced many individuals to learn a new area within testing. Laveena supports her team and women around the world by providing coaching and mentoring sessions. She has provided her interview with various women in technology magazines. She is a STEM ambassador and has visited schools for females and spoken about the world of IT and how women can get involved. Laveena was a finalist for The Digital Star 2022 at the everywoman in Technology awards. She has also been on various podcasts, and blogs, trains new testers as part of the Coders Guild and is an international speaker.</p>



		<p>providing the team with enough confidence and helping a business.</p> <p>Takeaways:</p> <ol style="list-style-type: none"> <li>1. Understanding of Data Science</li> <li>2. How to test models</li> <li>3. Identify what existing skills we already have that we can apply in a data science team</li> </ol>	
<p>Sam De Silva</p> 	<p>An overview of the draft EU AI Regulation (AI Regulation)</p>	<p>This session will provide an overview and a “walk-through” of the AI Regulation and will cover:</p> <ul style="list-style-type: none"> <li>● What does the AI Regulation apply to?</li> <li>● What activities are relevant?</li> <li>● What is a “prohibited AI practice”?</li> <li>● High-risk AI systems</li> <li>● The high-risk AI ecosystem: providers and other operators</li> <li>● Conforming with conformity assessments</li> </ul>	<p>Dr Sam De Silva is a Partner in the London office of leading international law firm, CMS Cameron McKenna Nabarro Olswang LLP (CMS) and is on the BSI ART/001 Committee. Sam specialises in complex and strategic IT projects and regularly advises on data protection, privacy and cyber-security issues. He also advises clients on a variety of legal and contractual issues arising from the procurement and supply of AI solutions and services. At an international level Sam is the former Law Society’s representative on the EU Commission’s Expert Group on Cloud Computing and is on the IT Law Committee of the Bars and Law Societies of Europe (CCBE). Sam is on the Technology Strategy Board of the Institute of Chartered Accountants of England and Wales (ICAEW) and is heavily involved with the BCS, the</p>


			<p>Chartered Institute for IT being both on its Council and Trustee Board, together with being the Chair of its Law Specialist Group. Sam is named in the <i>Who's Who of Information Technology 2022</i>, <i>Who's Who of Data Privacy and Protection 2022</i> and the <i>Who's Who of Data Security 2022</i> as one of very few UK solicitors listed in all 3 categories. Sam is also the exclusive winner of the 2021 Client Choice Data Privacy &amp; Protection award for the UK. Sam was the Co-convenor of an ISO Working Group which developed a new transformational ISO Standard on the management of contract and legal risk (ISO 31022:2020), and he won a BSI Standards Markers Award in the category of "Representing the UK" for his work on this. Sam also Chairs the Legal Specialist Interest Group of the Institute of Risk Management (IRM).</p>
<p>Adam Leon Smith</p> 	<p>Software Testing Standards - why do we need them and when are they useful?</p>	<p>Software testing standards have been the subject of lots of debate. Some people don't feel they are useful, some people think they are crucial to productivity and interoperability. Adam will explain the pros and cons of standards and give examples of how testers can actually get benefit from them.</p>	<p>Adam is CTO of Dragonfly, a quality engineering specialist consultancy. He is also very active in the international standards community, editor and co-author of "AI and Software Testing", and Chair of BCS SIGIST.</p>
<p>Andrea Jensen</p> 	<p>Ensemble Testing - How an Experiment Shaped the Way We Work</p>	<p>I believe in collaboration, in diversity, and in the whole team approach. However, the fact that I believe in those values does not necessarily mean others believe them too.</p>	<p>Hi, I'm Andrea! A tester since 2011, what started unplanned by chance I now continue out of passion. Currently, I am a Software Quality Engineer in the maritime industry by day. And a reader, crafter, curious learner</p>


		<p>So, the question is “How do I share my message successfully with the team?” After experiments, failures, and frustration I found my answer. It’s ensemble testing in a cross-functional team.</p> <p>I want to share the story of our diverse ensemble testing team. How it changed our way of collaborating and testing and how it helped us to stay connected while working from home.</p>	<p>and RiskStorming Online advocate by night. You can find me on LinkedIn or Twitter.</p>
<p>Callum Akehurst-Ryan</p> 	<p>Diversity of thought in testing remote</p>	<p>Socially designed systems and products benefit greatly from considering different viewpoints and a diversity of people. In this talk we'll discuss how smashing monoculture in engineering can greatly help with the designing, development and testing of products.</p> <p>We'll also discuss barriers to bringing your authentic self into the workplace with Callum sharing his lived experience about facing pushback to being authentic within engineering.</p>	<p>Callum (he/him) is a Senior Test Engineer with 13 years of experience across multiple domains from finance to public safety. His technical skills and keen interest in exploratory testing techniques, are backed up with a passion for team engagement and the advocacy for the integration of testers into agile teams.</p> <p>Using his background in psychology, Callum engages teams with quality narratives surrounding human factors; providing insights on how individual and diverse users will engage and experience their products in different ways.</p> <p>In his spare time, he’s also a kick-ass Dungeon Master 🎲</p>




<p>Nuria Manuel</p> 	<p>How data is the driving force for better QA</p>	<p>Stripe estimated that engineers spend 33% of their time addressing defects and research shows that up to 56% of defects are encountered at the production stage.</p> <p>How can we better safeguard software quality and ensure better reliability?</p> <p>Predictive Quality Assurance relies on measurements to collect quality data across not just the Software Development Lifecycle, but the entire Product Lifecycle helping QA, Product and Development teams improve test quality, product requirements and identify patterns resulting in product risks earlier.</p>	<p>Nuria has just been nominated by GTA Black Women in Tech to appear in their next book 'The Voices in The Shadows II'.</p>
<p>Parveen Khan</p> 	<p>Let's shift quality to the left and right</p>	<p>In the current era, organizations are building applications with more complex architectures such as - blockchain, distributed systems, and microservices. The job of maintaining these systems and ensuring it is working as expected has become a challenging task. Gone are the days where testers have to rely on the UI's to validate an application. Now it is all about what happens underneath the hood and how far you shift testing. I worked on a team where we followed DevOps and started testing as early as possible by shifting left. But that wasn't enough in terms of the quality of the product or keeping our users happy. That's where we changed our process and started taking smaller steps into shifting right.</p> <p>We had some monitoring and logging in place, but we had no clue where, how, and what to look out for whenever there was a problem.</p>	<p>Parveen is a senior quality analyst consultant at Thoughtworks. Being a quality advocate she believes delivering high-quality products is everyone's responsibility. She loves collaborating with teams and optimizing processes, tools and methodologies to enable the creation of high-quality products. She is also an international speaker sharing her stories and experiences in testing to inspire other people around the globe. In her spare time, she plays the role of wonder woman for her two lovely kids. You can connect with her on twitter - @Parveen_Khan10 and read her stories at <a href="https://www.parveenkhans.com/">https://www.parveenkhans.com/</a>.</p>

		Join this session, where I discuss my journey with shift left and shift right approach. I will share how using this approach has been helpful to our team.	
<p>Lewis Prescott</p> 	Introduction to Contract Testing	<p>Introduce API contract testing to your test suite to:</p> <ul style="list-style-type: none"> <li>- Open communication between siloed microservices</li> <li>- Faster feedback from API changes</li> <li>- Less interruption from integration issues</li> <li>- Visualise real API usage</li> <li>- API Versioning made easy to improve backwards compatibility</li> </ul> <p>In this session you will learn the fundamentals of contract testing with Pact &amp; Pactflow. Contract testing can be applied to API or messaging services, allowing you to test any integration point in isolation (<a href="https://docs.pact.io/#what-is-contract-testing">https://docs.pact.io/#what-is-contract-testing</a>). This technique is ideal for delivering services within a microservice architecture confidently, for example an API client communicating with a web front-end.</p>	<p>I'm an experienced QA Lead at Cera Care (one of Europe's fastest-growing companies), having worked across different industries including Healthcare, Non-profit, Retail and PropTech. I am also a course author on Test Automation University &amp; Udemy, sharing my knowledge is a passion of mine.</p>
<p>Beth Clarke</p> 	Testing High Integrity Software: Methods and Importance	<p>Understanding what High Integrity Software is and why it will play a vital role in the future of tech</p> <ul style="list-style-type: none"> <li>· Explaining the value and importance in using different testing methods in High Integrity Software</li> <li>· Sharing how Capgemini Engineering's High Integrity Software Expertise Centre's approach to the verification and validation of this software</li> </ul>	<p>Beth Clarke is an Astrophysicist turned Software Engineer working at Capgemini Engineering's High Integrity Software Expertise Centre. Her work involves testing bespoke safety critical software that keeps people safe in their everyday lives. Beth joined Capgemini Engineering in 2019, and has worked on a range of projects producing software for the rail, scientific research and satellite communications sectors. Her enthusiasm and expertise in her field led to her recognition as one of the top female engineers in the UK as a finalist in the IET's 2020 Young Woman Engineer of the Year</p>

			awards, and being recognised as a Rising Star of Women in Technology by Computer Weekly in 2021.
<p>John McGee</p> 	<p>What are you looking at? – Modern Art and Testing in the Blink of an Eye!</p>	<p>Join me on a dazzling tour that will change the way you look at testing (and art) forever. While looking at a Jackson Pollock painting in New York it struck me that while I loved the painting I didn't have a clue about what it or most of the other paintings in the gallery represented. I therefore did what all good testers do and looked for an oracle. Quickly concluding that I couldn't haul an art professor about to answer all my questions I did the next best thing and bought a book about Modern Art.</p> <p>Whilst reading this it quickly struck me how many similarities there were between what we do as testers and how artists paint, think and promote their work.</p> <p>I realised the non-cubist nail in a cubist painting was the same as the long leash heuristic keeping the observer rooted into reality.</p> <p>I blew my mind with Malevich's black square and lost endless nights of sleep contemplating it, before coming to understand that oracles are as important in art as they are in testing.</p> <p>I found out how America's greatest modern artist was almost dismissed as worthless by the world's greatest art collector until he came to the attention of someone whose opinion mattered.</p> <p>I discovered that the world's great art movements have manifestos which then led me to think about mission statements and the Agile Manifesto.</p>	<p>I have been involved in testing for almost 30 years so I have seen a lot of changes in that time, I can vaguely remember the days when we used to run pages and pages and pages and pages and pages (you get my drift) of scripts manually. I love exploring both software and the world around me, love helping other testers learn and grow, have set up in-house online test events where testers from around the world share knowledge, experience and thoughts around testing, have previously spoken at various conferences and meetups Agile Test Northeast, Manchester Testbash and Ministry of Test North East among others.</p>

		<p>I learned artists used focusing and defocusing techniques and linked these to techniques we use when exploring and while working out the steps to reproduce issues.</p> <p>I read about how Cezanne turned the art world on its head by questioning what he saw just as an exploratory tester does</p> <p>I saw how the surrealists painted with ideas feeding off ideas linking this into our exploration.</p> <p>I came across so many connections while reading this book that it's impossible to list them all here, it gave me a greater understanding of perspectives and how bias impacts artists and testers. I found out that artists use models, tools and heuristics in the same way that we do, how we use questioning techniques and how we simplify complex thoughts. I considered stakeholders in the art and development world, how the familiar can be used as an oracle, how we can overcome fears and obstacles and I found how artists told stories and presented images to their audiences.</p> <p>So, come with me on this journey through modern (and some classical) art, we'll weave some testing into the mix so that you'll never look at a painting in the same way.</p>	
<p>Jordan Powell</p> 	<p>Component Testing With Cypress</p>	<p>Cypress released its public beta back in October of 2017. Not long after, it became the undisputed heavy weight champion of the automated testing world. It made end to end and integration testing actually effective, fast and fun! It had just one problem...Components. Thankfully with Cypress's 10.0 release of Component Testing, that problem no longer exists! In this talk, you will learn how to get started with</p>	<p>Jordan is a Developer Experience Engineer at Cypress. He is passionate about writing "good code" that is easy to read, test and maintain over time. He has over a decade of experience in software development, marketing, design, and video production. Jordan also serves as the CEO &amp; Co-Founder for the non-profit Dream On:</p>

		Cypress CT and some best practices to start writing component tests in your applications	Global. When he is not working, he spends his time as a husband, father and Cleveland sports fan.
<p>Rob Richardson</p> 	Mocking in Front-end and Back-end TypeScript Tests	This talk explores the intricacies of swapping out dependencies with fakes so we can run tests faster and assert more granular behaviour. This talk also explores how to ensure TypeScript is able to validate the types of our dependencies -- whether real or fake. Attendees leave with a GitHub repo of all the code we explore to continue learning or fork and use in their own work.	Rob Richardson is a software craftsman building web properties in <a href="#">ASP.NET</a> and Node, React and Vue. He's a Microsoft MVP, published author, frequent speaker at conferences, user groups, and community events, and a diligent teacher and student of high-quality software development. You can find this and other talks at <a href="https://robrich.org/presentations">https://robrich.org/presentations</a> and follow him on twitter at <a href="#">@rob_rich</a> .