

Full Programme

Innovation & Strategies for Digital Interventions in Mental Health

31st JULY – 2nd AUGUST 2017

Dean's Yard, Westminster, London, England

#DIGITALMENTALHEALTH2017

*In loving memory of
Yvonne 'Chip' Inkster*

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INTRODUCTION

In an era when many people seek mental health support in digital spaces, how do we know what solutions will have the biggest positive impact? Can we create 'digital social good' on a global scale that remains responsive to local and personal needs?

This conference will interleave topics across psychiatry, technology and culture to identify innovative ways of addressing mental health needs. It will bring together care professionals, technological innovators, service users, and experts in policy and public opinion, and will encourage diversity of thought by combining areas such as natural language processing, spoken word poetry, quantitative photographic analysis, interpreting images through the lens of a film director, unearthing narratives through modern journalism and digital anthropology, and much more.

At the heart of this conference, we will be examining technology-supported interventions aimed at improving mental health. We will discuss a selection of digital tools and resources that might facilitate care support.

This conference will also encourage digital equality by promoting research with real world implications that will directly benefit vulnerable and hard-to-reach groups.

Every person is different, but people have a lot in common through culture. Culture is not just geographical; it's about experience-based connections. How can we capture knowledge about culture and use this to deepen interventions? Culture strengthens connections and moves us away from potentially isolating 'patient labels'.

I wish you a very warm welcome to this conference!

Respectfully Yours,

Becky Inkster

Conference Creator

Innovation & Strategies for Digital Interventions in Mental Health

DAY 1, MONDAY 31st JULY

REGISTRATION

Location: The Lecture Room, Westminster School, Dean's Yard, SW1P 3PF

Time: 12:00 – 2:00 pm

Summary: Each delegate will receive a Conference Pack with a Full Programme, Agenda, and other details. If you are unable to register at this time, there will be conference staff available (8:30 am onwards) on Days 2 & 3 for you to collect your information.

OPENING REMARKS

Location: The Lecture Room, Westminster School, Dean's Yard, SW1P 3PF

Time: 2:30 – 3:00 pm

Summary: Becky Inkster will set the stage for this unique three-day event by highlighting the Full Programme and numerous opportunities to get involved. Special guest speakers will then share their social media journeys, headlined by poet, Nikita Gill, and followed by members of Zimam Palestine.

KEYNOTE LECTURE

Location: The Lecture Room, Westminster School, Dean's Yard, SW1P 3PF

Time: 3:00 – 4:00 pm

Summary: Vikram Patel, Pershing Square Professor of Global Health, Department of Global Health and Social Medicine, Harvard Medical School, Harvard University, USA, will speak on the need for Global Mental Health strategies. **Talk Title:** The Digital "Revolution" for Global Mental Health: from fantasy to reality.

SOCIAL EVENT

Location: The Oak Room, The Hospital Club, Covent Garden, WC2H 9HQ

Time: 4:30 – 7:30 pm

Summary: In the heart of London's West End, this social event will bring together attendees and contributors from around the world to encourage integration of different viewpoints (e.g., clinicians, service users, young people, academics, journalists, the public, tech experts, public health, social care, artists and more).

DAY 2, TUESDAY 1st AUGUST

LECTURE THEME 1: The Digital Psychiatrist

Chair: Niall Boyce, Editor, The Lancet Psychiatry, London, UK

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 12:00 pm; 2:00 – 5:00 pm

Chair's Opening Remarks (9:00 – 9.10 am)

Speaker 1 (9:10 – 9:55 am): Phil Klassen, Vice-President, Medical Affairs, Ontario Shores Centre for Mental Health Sciences & Assistant Professor, Departments of Psychiatry and Medicine, University of Toronto, Canada. **Talk Title:** A trial of predictive analytics and NLP for prediction of inpatient aggression.

Speaker 2 (9:55 – 10:40 am): Niranjan Bidargaddi, Associate Professor of Personal Health Informatics, Psychiatry, Flinders University, Australia. **Talk Title:** From the asylum to a virtual community-based care for people with chronic and severe mental illnesses: Can digital footprints facilitate personalised in-time support and relapse prevention?

Speaker 3 (10:40 – 11:25 am): Mark Hemsley, Technical Lead, The Anna Freud Centre, London & Alex Goforth, Programme Lead, CYP IAPT, London and South East England. **Talk Title:** Peeking over the digital divide: practical strategies for technical innovation taken from the world of tech and commerce.

Panel Discussion: 11:25 am – 12:00 pm

Chair's Afternoon Introduction (2:00 – 2.10 pm)

Speaker 4 (2:10 – 2:55 pm): Chris Gibbons, National Institute of Health Research Fellow, Cambridge Centre for Health Services Research, Director of Health Assessment and Innovation, The Psychometrics Centre, University of Cambridge, UK. **Talk Title:** Turning the page on paper-based assessment: computational technologies to transform patient-reported data collection, analysis and feedback.

Speaker 5 (2:55 – 3:40 pm): John Pestian, PhD, MBA, Director, Computational Medicine Centre & Professor of Pediatrics, Psychiatry and Biomedical Informatics, Cincinnati Children's Hospital Medical Centre, University of Cincinnati, USA. **Talk Title:** Early identification of suicidal ideation using machine learning and natural language processing.

Speaker 6 (3:40 – 4:25 pm): David Gratzner, MD, The Scarborough Hospital, Ontario, Canada. **Talk Title:** Internet-delivered cognitive behavioural therapy in the treatment of psychiatric illness.

Panel Discussion: 4:25 – 5:00 pm

DAY 2, TUESDAY 1st AUGUST

LECTURE THEME 2: Digital Global Mental Health, Society & Culture

Chair: Ricardo Araya, Professor of Global Mental Health, Institute of Psychiatry, Psychology, and Neuroscience & Director of the Centre for Global Mental Health, King's College London, London, UK.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 12:00 pm; 2:00 – 5:00 pm

Chair's Opening Remarks (9:00 – 9.10 am)

Speaker 1 (9:10 – 9:55 am): Desmond Patton, Assistant Professor, Columbia School of Social Work, Director of the SAFE lab & Faculty Affiliate of the Social Intervention Group and the Data Science Institute, New York City, USA.

Talk Title: Innovating gang violence prevention with qualitative analysis and natural language processing.

Speaker 2 (9:55 – 10:40 am): Ricardo Araya, Professor of Global Mental Health, Institute of Psychiatry, Psychology, and Neuroscience & Director of the Centre for Global Mental Health, King's College London, London, UK. **Talk Title:** Technology and delivering mental health services in LMIC: challenges and opportunities.

Speaker 3 (10:40 – 11:25 am): Diana Rayes, Project Coordinator, r2hc Syria: research for health in humanitarian crises, Johns Hopkins Bloomberg School of Public Health, Gaziantep, Turkey. **Talk Title:** WhatsApp as a communication tool & beyond: Psychological support of aid workers in Syria.

Panel Discussion: 11:25 am – 12:00 pm

Chair's Afternoon Introduction (2:00 – 2.10 pm)

Speaker 4 (2:10 – 2:55 pm): Christina Athanasopoulou, PhD in Health Sciences, University of Turku, Finland & YTIIL Fellow, USA. **Talk Title:** Digital mental health in two distant European countries: The experience of Finnish and Greek adults with schizophrenia spectrum disorders.

Speaker 5 (2:55 – 3:40 pm): Jennifer Russell, COO, TalkLife, UK.

Talk Title: Social networks as support? Online communities can prevent self-harm and promote wellbeing.

Speaker 6 (3:40 – 4:25 pm): Eric Rice, Associate Professor, University of Southern California in the Suzanne Dworak-Peck School of Social Work, California, USA.

Talk Title: Using social media and AI to help homeless youth.

Panel Discussion: 4:25 – 5:00 pm

DAY 2, TUESDAY 1st AUGUST

LECTURE THEME 3: Technology & Methodologies

Chair: David Stillwell, Lecturer, Cambridge Judge Business School & Deputy Director, Psychometric Centre, Cambridge University, UK

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 12:00 pm; 2:00 – 5:00 pm

Chair's Opening Remarks (9:00 – 9.10 am)

Speaker 1 (9:10 – 9:55 am): Glen Coppersmith, PhD, Founder & CEO, Qntfy, USA. **Talk Title:** Quantifying the Whitespace.

Speaker 2 (9:55 – 10:40 am): Xingjie Wei, Assistant Professor, Information Systems, Decisions & Operations, School of Management, University of Bath, UK.

Talk Title: How smart does your profile image look?

Speaker 3 (10:40 – 11:25 am): Jo Aggarwal & Ramakant Vempati, Co-Founders of Touchkin, India. **Talk Title:** Beyond apps: AI based virtual coaching to build skills in mental resilience.

Panel Discussion: 11:25 am – 12:00 pm

Chair's Afternoon Introduction (2:00 – 2.10 pm)

Speaker 4 (2:10 – 2:55 pm): Amy Chandler, Chancellor's Fellow, School of Health in Social Science, University of Edinburgh, UK. **Talk Title:** Qualitative methods in digital mental health research.

Speaker 5 (2:55 – 3:40 pm): Jennifer Guadagno, PhD, Compassion Research Lead, Facebook, San Francisco Bay Area, USA. **Talk Title:** Facebook compassion research: Suicide prevention support.

Speaker 6 (3:40 – 4:25 pm): Dan Sofer, Founder & Co-Director, Founders & Coders, London, UK. **Talk Title:** See Website.

Panel Discussion: 4:25 – 5:00 pm

DAY 2, TUESDAY 1st AUGUST

LECTURE THEME 4: Ethics, Policies & the Public Sphere

Chair: Matthew Shaw, BBC News Editor, London, UK & 2015-16 Knight-Wallace Fellow, University of Michigan, USA

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 12:00 pm; 2:00 – 5:00 pm

Chair's Opening Remarks (9:00 – 9.10 am)

Speaker 1 (9:10 – 9:55 am): Alison Cameron, Mental Health survivor, activist, speaker and citizen journalist, London, UK. **Talk Title:** From passive to activism: a personal perspective on the power-shifting impact of social media.

Speaker 2 (9:55 – 10:40 am): Duncan Stephenson, Director of External Affairs, Royal Society of Public Health, London, UK. **Talk Title:** #StatusOfMind: Social media and young people's mental health and wellbeing.

Speaker 3 (10:40 – 11:25 am): Joanna Sleight, Applied Media Anthropologist, Freie Universität Berlin, Germany. **Talk Title:** Digital data shadow donation in a society of frictionless sharing.

Panel Discussion: 11:25 am – 12:00 pm

Chair's Afternoon Introduction (2:00 – 2.10 pm)

Speaker 4 (2:10 – 2:55 pm): Jane Shears, Head of Social Work, St Andrew's Healthcare, Northamptonshire, UK. **Talk Title:** Respect for private and family life: virtual visits for people in secure care.

Speaker 5 (2:55 – 3:40 pm): Sumaiya Omar, COO, HashtagOurStories, London, UK. **Talk Title:** Social media for social good: looking beyond app gimmicks to find powerful storytelling tools.

Speaker 6 (3:40 – 4:25 pm): Gabriela Pavarini, Wellcome Trust Postdoctoral Fellow, Neuroscience, Ethics and Society Group, University of Oxford, UK. **Talk Title:** Digital media and young people's voices in ethics research.

Panel Discussion: 4:25 – 5:00 pm

DAY 3, WEDNESDAY 2nd AUGUST

WORKSHOP 1: #BeyondTheBullets

Leaders: William R Frey, Researcher at the Columbia School of Social Work and Coordinator of the SAFE Lab, New York City, USA; Telixia Inico, TheTruthPoet, South London, UK.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 10:00 am; 10:00 – 11:00 am; 11:00 – 12:00 pm

Summary

How do Chicago gang networks communicate violence and trauma using Twitter? In this workshop, participants will explore the complexities of interpreting social media posts from young people in neighborhoods with high rates of violence. Additionally, we will consider the ethical challenges we face when involving digital constructed selves of the people we serve in our respective professional fields. As participants, you will apply your own theoretical and practical frameworks from your professional field along with your personal experiences and perceptions to critically analyze social media posts from gang-involved and/or affiliated youth in Chicago. Together, we will challenge our frameworks and perceptions, while asking questions we may not have answers to.

Learning Objectives

1. Humanize gang-involved and affiliated young people - Begin to see these young people beyond popular and dehumanizing tropes through multiple critical lens.
2. Discern meaning from social media content - Begin to practice and explore intent and interpretation of social media content from contexts different from our own.

3. Challenge our frameworks surrounding participants and clients - Begin to challenge our own frameworks around how we view young people who are on the receiving end of our prevention and intervention programs and strategies.
4. Ethical Challenges of digital research/therapy - Examine the ethical challenges surrounding research and therapy in digital spaces and with people experiencing interpersonal, institutional, and systemic marginalization and exploitation.

DAY 3, WEDNESDAY 2nd AUGUST

WORKSHOP 2: #TheDigitalPsychiatrist

Leaders: Victoria Betton, Founder and Director of mHabitat, UK; Mark Hemsley, Technical Lead, The Anna Freud Centre, London, UK; Alex Goforth, Programme Lead, CYP IAPT, London and South East England; Jo Aggarwal & Ramakant Vempati, Co-Founders of Touchkin, India. Supported by Young Advisors Helena Miles and Rashaun Pacquette-Simpson.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 10:00 am; 10:00 – 11:00 am; 11:00 – 12:00 pm

Summary

Is artificial intelligence the new frontier?

In this workshop, we will explore the capabilities and limitations of existing and future potential artificial intelligence technologies for mental health support and resilience building.

Workshop facilitator Victoria Betton will steer discussions across three questions:

- (i) What is the best possible outcome for AI-driven therapy?
- (ii) What is the worst possible outcome? and
- (iii) What is the most likely outcome?

We will encourage discussions on how to modernise mental health services by utilising digital behavioural change models yet also emphasizing the importance of placing service users at the centre of their own care plan. There will be a product demonstration by Touchkin co-founders and workshop attendees will have the opportunity to interact with AI chatbot technology so that they can experience its impact.

Learning Objectives

1. To improve your ability to confidently talk about technical subjects related to digital mental healthcare
2. To obtain hands-on experiences applying digital tools available and in development (e.g., Touchkin's artificial intelligence chatbot)
3. To develop your understanding of the practical implications of developing and deploying digital mental health solutions
4. To develop a strong awareness of the importance of co-designed digital health solutions and to examine digital solutions from patient, practitioner and public perspectives.

DAY 3, WEDNESDAY 2nd AUGUST

WORKSHOP 3: #PrisonTransitionTools

Leaders: Diane Curry, OBE, Chief Executive, POPS, UK; Miriam Cohen, Exeter University, UK.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 10:00 am; 10:00 – 11:00 am; 11:00 – 12:00 pm

Summary

With an increasingly devastating mental health crisis happening within our prison systems, how can we not commit to trying to develop innovative ways to engage and reform? Disconnect from the outside world and separation from families and support networks arguably have very damaging and enduring consequences to prisoners and society.

Digital interventions could play an important role in improving connections between incarcerated settings and the outside world; however, this comes with many challenges. The use of digital interventions poses many important questions, such as: what security risks would this instigate, how would we address poor literacy and perceived lack of capability and what could be done to promote engagement with technology? Would the demands on staff be unrealistic for carefully monitoring and managing access? These and many other ethical issues require sensitive consideration, debate and resolution.

In this workshop, we highlight common mental health issues in prison populations, such as self-harm, and discuss some of the main contributing factors for these elevated rates. We consider how current digital strategies and innovation can be

used both inside and outside of prison settings to help support mental health, improve feelings of control and independence, tackle stigma and possibly reduce reoffending when prisoners integrate back into society. Some topics we will focus on in this workshop include digital cognitive modification for hostility bias and aggression (discussing a feasibility study currently being conducted within a UK prison), assisted self-help interventions and interactive social network strategies, particularly for parent-child engagement.

Learning Objectives

1. Recognise and consider the main problems faced by prison populations with regards to accessing digital technology.
2. Gain insights into the complex mental health issues experienced by prisoners, and how the growing mental health crisis is being handled by prison systems in the UK.
3. Learn about digital tools that are currently being implemented inside prison settings and assess their functionality and capabilities for supporting mental illness.
4. Explore how can these and other innovative digital tools could be further developed and taken forward to deliver improvements in how mental health support is provided for prisoners (both inside and outside of prison settings) and their care networks.

DAY 3, WEDNESDAY 2nd AUGUST

WORKSHOP 4: #ViewsFromTheStreet

Leaders: Xingjie Wei, Fabien Souzandry, Bibe Kadir, Asmae Doukani and in partnership with Brixton Soup Kitchen and The Abbey Centre, London, UK.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 10:00 am; 10:00 – 11:00 am; 11:00 – 12:00 pm

Summary

This workshop aims to improve our understanding of the environmental factors encountered by homeless people. To help us learn more about what life is like on the streets, we are working with London-based community services and homeless people including Brixton Soup Kitchen and The Abbey Centre to capture daily glimpses of their experiences, urban environments, and its impact on their mental health.

In order to help homeless people, we must understand the problems they face. We aim to do so by asking homeless people in Central London, particularly in Brixton and Westminster, to visually capture and upload their own digital photos (of their choice), along with thoughts and feelings about how these photos makes them feel. The homeless people who have kindly consented to participate in this workshop will be generating novel, meaningful data that will be stored as part of our Data Donation project.

We will use this insightful, sensitive and generously donated information to explore mental health themes and link this to important topics such as visual literacy and how to apply mixed methods for digital photographic analysis. Most critically, we

will use this workshop as an opportunity to explore possible ways in which digital information, especially photos, could be incorporated into improving mental health outcomes and treatments. It will also explore how digital connectivity and prosocial networking amongst homeless people empowers them in their every day life experiences.

Learning Objectives

1. Gain insights into the complex environments that homeless people face on a daily basis.
2. Improve your understanding of concepts such as visual literacy and how digital photographs can be qualitatively and quantitatively interpreted within the context of mental health.
3. To develop an understanding of how 'data donation' projects work and gain awareness of the ethical implications, particularly when working with homeless people.
4. To learn more about a post conference 'Tech for social good' event called #HELPINGHOMELESSHACKATHON, which is aimed at co-creating a digital platform that serves homeless people.

DAY 3, WEDNESDAY 2nd AUGUST

WORKSHOP 5: #FaceToFaceOrFacebook?

Leaders: Sumaiya Omar, COO, HashtagOurStories, London, UK; Pattie Gonsalves, PRIDE Project, India; Tamseel Hussain, Independent Consultant, Founding Team Member for itsoktotalk & Founder of PLUC (people Like Us Create llp), India.

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Time: 9:00 – 10:00 am; 10:00 – 11:00 am; 11:00 – 12:00 pm

Summary

What does mental health support look like in the 21st century? This workshop aims to improve our understanding of how social media is helping to create and facilitate new spaces for mental health practices and support.

We explore the benefits of social media and social networking to improve self-identity, self-expression, community building and emotional support through examining a few popular international examples. Participants and facilitators will engage in an interactive session to understand how new tools for self-expression via pictures, videos, captions and short personal narratives can help break down the stigma surrounding mental health and perhaps even lead to more people seeking help.

The workshop will also explore how to empower young people in particular to use social networks in a way that promotes their mental health and wellbeing. It will explore how to harness the power of social media to nurture mental health innovations that the future holds.

Learning Objectives

1. To gain a non-clinical understanding of how mental health support can permeate through online support networks.
2. To examine a few popular social media and digital community building movements aimed at improving mental health. These include The Artidote (with more than 1 million followers and operated via SnapChat), It's Ok Baat Karo (the first youth-only social media campaign designed by young people for young people in India) and TalkLife (a popular new mental health app to 'talk with people who get you' and 'share the good and not so good').
3. To develop a better understanding of social media as a new culture that can support people with mental health problems, in particular young people.

DAY 3, WEDNESDAY 2nd AUGUST

DISCUSSION ROUNDTABLES

Time: 2:00 – 2:30 pm

Location: Weston Building, Westminster School, Dean's Yard, SW1P 3PF

Summary: These informal, open discussion roundtables are strategically placed as warm-up events prior to the Q&A Session. We will create spaces for individuals to hold conversations and explore views on several key areas of interest loosely linked to the fields of psychiatry, technology and culture.

Q&A SESSION LIVE STREAM

Time: 3:00 – 4:00 pm

Location: The Lecture Room, Westminster School, Dean's Yard, SW1P 3PF

Summary: The Q&A Session will be streamed live from the UK (3pm) reaching out globally. We will combine knowledge from the Lectures and Workshops and we aim to involve the public in the discussion using the hashtag #DIGITALMENTALHEALTHLIVE.

Speakers:

Tom Insel, President & Co-Founder, Mindstrong Health, California, USA.

Sir Simon Wessely; MA BM BCh MSc MD FRCP FRCPsych FMedSci FKC, London, UK.

CLOSING REMARKS

Time: 4:30 – 5:00 pm

Location: The Lecture Room, Westminster School, Dean's Yard, SW1P 3PF

Summary: We will ensure that all delegates and contributors have a clear sense of what the conference key points are and the specific outcomes that will be pursued for anyone to get involved in.

POST CONFERENCE SOCIETY CHALLENGE

Title: Tech for social good

Time: 5:30 – 7:30 pm

Location: The Wash House Café, The Abbey Centre, Westminster, SW1P 3BU

CALLING ALL CODERS...

We need your help! There is a serious need and opportunity to support homeless people in London and worldwide.

We welcome you to help us co-design a new platform from scratch that speaks directly to the needs and desires of homeless people and community services. At this event, we will provide a space for people to brainstorm some product ideas based on a challenge set by Becky Inkster, and form a working group to take these ideas forward. As one of the key themes of the conference is around using technology to support the homeless to express themselves and to lift them back into society, an area we will be focussing on here is providing a way of allowing those who are currently homeless to seek employment in a way that works for them through the use of technology.

CALLING ALL WHO CARE...

This post conference event isn't just about bringing together people who are wizards at coding up things. This is very much open to those who have lived experience being homeless, those who work in community settings to help homeless people, social workers, charity organisations, and so much more. If you are interested in attending and helping then you are welcome to join us!

WHY IS 'TECH FOR SOCIAL GOOD' GOOD?

Many reasons. Here's a few examples. It's important that those working within healthcare systems provide the time and expertise to support start-ups and individuals interested in giving back to society. It gives opportunities to understand the domain, trial ideas and work together with domain experts to craft solutions that are technically sound and meet the needs of the sector.

For people with a technical background, it is important for us to hone our skills and give back to society at the same time. It is important that we work in partnership with those who know the business, support them to gain technical expertise at the same time as developing valuable products.

APPENDIX

CHAIRS

Ricardo Araya, Professor of Global Mental Health, Institute of Psychiatry, Psychology, and Neuroscience & Director of the Centre for Global Mental Health, King's College London, UK.

My field of expertise is in the development and implementation of simple and affordable interventions to treat mental disorders, particularly in resource-poor settings. Among these initiatives, I developed a model of care to treat common mental disorders, which has been used and adapted in many settings. Two of these initiatives are particularly worth noting as they led to implementation at a large scale. The first test of this model was undertaken in Chile. This successful randomized controlled trial paved the way to the introduction of the first National Depression Treatment Programme in Primary Care in Chile (Araya et al., 2003, Lancet; Araya et al., 2009, Lancet), which is the largest (proportional to the population) programme of this type in the world. More recently a successful trial of a primary care-based intervention to help people with common mental disorders in Zimbabwe (Chibanda et al., 2016, JAMA) has been scaled-up to all clinics in Harare. As far as I am aware of, these are two of the few, if not the only, examples of scaled-up programmes in mental health over the last 10 years in low-and-middle income countries. The model of care we developed has been adapted and replicated in several other countries. I have and continue to work in many other countries including Brazil, India, Nigeria, Peru, Lebanon, Guatemala, Colombia, Uganda, Tanzania, and others. Several of my projects involve the use of technological platforms to support health workers delivering mental health interventions. For instance, in Brazil and Peru we are testing an integrated technological platform to manage chronic diseases and in Chile we are testing a game platform to strengthen basic psychological skills of young children. Besides my work as a researcher, I have a leading role in two major initiatives to increase mental research capacity in Africa and Latin America.

Niall Boyce, Editor, The Lancet Psychiatry, London, UK.

I trained in medicine at Oxford University and subsequently on the University College London psychiatry rotation. I joined The Lancet as a Senior Editor in 2010 before moving on to The Lancet Psychiatry in 2013. My interests include suicide research, trauma, old age psychiatry, and social and transcultural aspects of mental health.

Matthew Shaw, BBC News Editor, London, UK & 2015-16 Knight-Wallace Fellows, University of Michigan, USA.

My interests include mental health and workplace wellness.

David Stillwell, Lecturer in big data analytics and quantitative social science at Cambridge Judge Business School, Cambridge University, UK & Deputy Director of the Psychometrics Centre, Cambridge University, UK.

His research uses machine learning methods to measure psychological individual differences from large datasets of digital behaviour footprints collected from millions of individuals.

KEYNOTE SPEAKER

Vikram Patel, Pershing Square Professor of Global Health, Department of Global Health and Social Medicine, Harvard Medical School, Harvard University, USA.

He is an Adjunct Professor and Joint Director of the Centre for Chronic Conditions and Injuries at the Public Health Foundation of India, Honorary Professor at the London School of Hygiene & Tropical Medicine (where he co-founded the Centre for Global Mental Health in 2008), and is a co-founder of Sangath, an Indian NGO which won the MacArthur Foundation's International Prize for Creative and Effective Institutions in 2008 and the WHO Public Health Champion of India award in 2016. He is a Fellow of the UK's Academy of Medical Sciences and has served on several WHO expert and Government of India committees. His work on the burden of mental disorders, their association with poverty and social disadvantage, and the use of community resources for the delivery of interventions for their prevention and treatment has been recognized by the Chalmers Medal (Royal Society of Tropical Medicine and Hygiene, UK), the Sarnat Medal (US National Academy of Medicine), an Honorary Doctorate from Georgetown University, the Pardes Humanitarian Prize (the Brain & Behaviour Research Foundation), an Honorary OBE from the UK Government and the Posey Leadership Award (Austin College). He also works in the areas of child development and adolescent health. He was listed in TIME Magazine's 100 most influential persons of the year in 2015.

SPEAKERS

Jyotsana Aggarwal, co-founder and CEO of Touchkin, India.

Touchkin is a health-tech start-up, which uses artificial intelligence to provide behavioral health support. Jo has been the Managing Director of Pearson Learning Solutions in the UK and a part of the founding team of Silatech, a non-profit focused on youth empowerment in conflict zones in the Arab world. Her work on mobile employability post Arab-spring helped connect over a million young people to skills and jobs, and won the Silver at the Stevie Awards, as well as the Global Telecom Business Innovation award in 2013. She was recognized by the eLearning Center in the UK as one of the top three global thought leaders in education technology. Jo is Board of Head Held High, a Trustee of the Rural Edge Trust, and an advisor to employability startups Edureka and Aspiring Minds. She has also served as an expert advisor to McKinsey & Co and National Skills Development Council. Jo holds a bachelor's degree in technology from the Indian Institute of Technology, Delhi and an MBA from the Indian Institute of Management, Lucknow.

Ricardo Araya, Professor of Global Mental Health at the Institute of Psychiatry, Psychology, and Neuroscience and Director of the Centre for Global Mental Health at King's College London, UK.

My field of expertise is in the development and implementation of simple and affordable interventions to treat mental disorders, particularly in resource-poor settings. Among these initiatives, I developed a model of care to treat common mental disorders, which has been used and adapted in many settings. Two of these initiatives are particularly worth noting as they led to implementation at a large scale. The first test of this model was undertaken in Chile. This successful randomized controlled trial paved the way to the introduction of the first National Depression Treatment Programme in Primary Care in Chile (Araya et al., 2003, Lancet; Araya et al., 2009, Lancet), which is the largest (proportional to the population) programme of this type in the world. More recently a successful trial of a primary care-based intervention to help people with common mental disorders in Zimbabwe (Chibanda et al., 2016, JAMA) has been scaled-up to all clinics in Harare. As far as I am aware of, these are two of the few, if not the only, examples of scaled-up programmes in mental health over the last 10 years in low-and-middle income countries. The model of care we developed has been adapted and replicated in several other countries. I have and continue to work in many other countries including Brazil, India, Nigeria, Peru, Lebanon, Guatemala, Colombia, Uganda, Tanzania, and others. Several of my projects involve the use of technological platforms to support health workers delivering mental health interventions. For instance, in Brazil and Peru we are testing an integrated technological platform to manage chronic diseases and in Chile we are testing a game platform to strengthen basic psychological skills of young children. Besides my work as a researcher, I have a leading role in two major initiatives to increase mental research capacity in Africa and Latin America.

Christina Athanasopoulou, PhD in Health Sciences, University of Turku, Finland | 2017 YTIIL Fellow, USA.

Christina's research interests include: quality of online health information, eHealth literacy, online mental illness stigma and social media. Her PhD dissertation 'eHealth and People with Schizophrenia Spectrum Disorders' explored schizophrenia-related online health information, investigated eHealth use among adults with SSD in Finland and Greece, and compared the country group. Her latest research focus is knowledge translation via videos.

In addition to her research, Christina is involved in social entrepreneurship societies and activities, with interest in knowledge translation of mental health research, and the use of social media to educate about mental health. Christina strongly believes that creative use of technology can easily educate, motivate and engage users to promote their health, empower them, and fight against mental illness stigma.

Niranjan Bidargaddi, Associate Professor of Personal Health Informatics, Psychiatry, Flinders University, Australia.

Niranjan Bidargaddi has a background in developing information technology solutions for health. He is currently leading a multidisciplinary personal health informatics group, which is studying ways to turning personal technologies and personal data into health and wellness services. His research interests include m-health, real time monitoring, interactive care, decision support tools, applied machine learning. He previously led the Mental Health Informatics Research Unit at Country Health SA LHN, which resulted in Mental Health Observatory, a cross-disciplinary collaboration to leverage data in mental health care, Young and Well Towns project in collaboration with Reachout (www.reachout.com) to study the role of technology for young adults mental health and wellbeing. At SAHMRI Mind and Brain he is developing a Digital phenotyping platform, to collect high resolution behavioural markers from naturalistic setting and methodologies to analyze it with genetic and biomarkers. During 2007-2009, he was a CSIRO Postdoctoral Fellow at the Australian e-Health Research Centre where his research into mobile physiological and behavioral monitoring applications led to the development and trialing of a home-based cardiac rehabilitation care in QLD Health. He is also the founding member and Co-director of goACT Pty Ltd, an Australian Health Information Technology startup that received seed funding from Commercialization Australia, specializing in developing internet and mobile applications to deliver evidence based interventions and improving communication between patients and clinicians.

Alison Cameron, Mental Health survivor, activist, speaker and citizen journalist, London, UK.

Alison is a graduate in Russian who ran projects mainly in the countries most affected by the Chernobyl nuclear disaster. Her career was cut short when she was diagnosed with Post Traumatic Stress Disorder after her colleagues were killed during her work. The consequences included substance misuse, homelessness, multiple admissions to hospital and identity loss. She resolved early on to put her experiences to good use and in the process started to reconnect with the assets that being a passive recipient of care had frozen. A turning point in her recovery was discovering the power of social media to make her voice heard in places from which she had become excluded. She went on to start her own consultancy after a 17 year "career break" and now advises NHS, housing, and social care organisations on how to work in genuinely equal partnership with citizens. She teaches, writes, speaks at conferences and creates training and development workshops. In 2014, the Health Service Journal named her as one of 50 Inspirational Women in Health largely due to Twitter nominations!

Amy Chandler, Chancellor's Fellow, School of Health in Social Science, University of Edinburgh, UK.

Amy is a sociologist, and Chancellor's Fellow in Health, through Arts, Design and Humanities in the School of Health in Social Science, University of Edinburgh. Her research uses qualitative methods to examine the ways in which mental health and drug use are experienced, and how these experiences are shaped by social and cultural contexts. Her first book, *Self-injury, Medicine and Society: Authentic Bodies* was published in 2016.

Glen Coppersmith, PhD, Founder & CEO, Qntfy, USA.

Glen is the founder and CEO of Qntfy (pronounced "quantify"), technology solutions provider bridging data science and human behavior. We make complex psychological and behavioral data accessible, scalable and actionable for individuals and organizations.

Qntfy's mission is to scale therapeutic impact by empowering people and their care network with data science and technology. Qntfy brings a deep understanding of the underlying technology and an appreciation for the human processes in the mental healthcare system that these technologies need to fit in for major impact. Qntfy, in addition to providing analytic and software solutions, considers it a core mission to push the fundamental and applied research at the intersection of mental health and technology. Qntfy built the data donation site OurDataHelps.org to gather and curate the datasets needed to drive mental health research, working closely with the suicide prevention community. Qntfy was also 2015 Foundry Cup

grand prize winner – a design competition seeking innovative approaches to diagnosing and treating PTSD. Qntfy currently works with DARPA designing beyond state-of-the-art data science.

Prior to founding Qntfy, Glen was the first full-time research scientist at the Human Language Technology Center of Excellence at Johns Hopkins University where he joined in 2008. His research has focused on the creation and application of statistical pattern recognition techniques to large disparate data sets for addressing challenges of national importance. Oftentimes, the data of interest was human language content and associated metadata. Glen has shown particular acumen for enabling inference tasks that bring together diverse and noisy data. His work spans from principled exploratory data analysis, anomaly detection, graph theory, statistical inference and visualization.

Glen has diverged from the traditional academic path, taking algorithms from the ivory tower and applying them to real world problems on real world data (and the unruly nature of such data). This means that his approach to challenges encompasses the entire ecosystem in which a piece of technology is meant to exist and assist. He is capable of understanding and improving technology and human processes alike.

Glen earned his Bachelors in Computer Science and Cognitive Psychology in 2003, a Masters in Psycholinguistics in 2005, and his Doctorate in Neuroscience in 2008, all from Northeastern University. As this suggests, his interests and knowledge are broad, from computer science and statistics to biology and psychology.

Chris Gibbons, National Institute of Health Research Fellow, Cambridge Centre for Health Services Research, Director of Health Assessment and Innovation, The Psychometrics Centre, University of Cambridge, UK.

My current work focuses both on assessing the impact of interventions which seek to improve processes and outcomes of care using patient-reported assessment measures and more fundamental research to develop new assessment methods and modalities to enhance patient care. This latter involves the application of computer adaptive testing, tailored feedback, and machine learning techniques to improve the accuracy, feasibility, and effectiveness of patient-reported assessments. At The Psychometrics Centre, I manage projects and training courses related to modern psychometrics, big data, machine learning, and data visualisation. I assist with the development of Concerto as a tool to create and deploy patient-reported assessments across health services worldwide.

Nikita Gill, Poet, UK.

Nikita Gill is an immigrant and trauma survivor who writes about loss, mental health, coping and healing for the digital audience. She published her first poetry anthology in New York last year and is now working on her poetry anthology for Trapeze, an imprint of Hatchette UK.

Alex Goforth, Programme Lead, CYP IAPT, London and South East of England.

CYP IAPT is a national programme of service transformation, which will have 100% geographical coverage by 2018. The London & South East Collaborative includes over 110 services across the region. Member of the national CYP IAPT Collaboratives Group, national HEE CWP Steering Group, etc. Has been leading a series of Digital Hackathons for accelerating uptake of digital technologies in mental health services for children and young people over the past 18 months. A qualified Programme and Project Manager, and holds an MA and PGDip in Psychoanalytic Studies from the Tavistock.

David Gratzer, Attending Psychiatrist and Physician-in-Charge of Inpatient Services, Department of Psychiatry, Scarborough and Rouge Hospital, & Assistant Professor, Department of Psychiatry, University of Toronto, Canada.

Dr. Gratzer is a clinician with inpatient and outpatient obligations. He is active in teaching, and is an award-winning educator. His research focuses on using technology to improve access to mental health services. His current projects include Internet-assisted CBT for adults, as well as Internet-assisted mindfulness for cancer patients.

He is the author of book chapters and papers on e-therapies, including Canada's first review paper on iCBT, published in CMAJ (cover paper for 1 March 2016 issue). He serves on two journal editorial boards, and has informally advised government, as well as the Mental Health Commission of Canada.

Dr. Gratzer's e-therapy work has been awarded a "leading practice" designation by Accreditation Canada (2016), and won the Award of Excellence in Mental Health and Quality Improvement from the Canadian College of Health Leaders (2017).

He blogs on psychiatry at www.davidgratzer.com.

Jennifer Guadagno, PhD, Compassion Research Lead, Facebook, San Francisco Bay Area, USA.

I'm passionate about understanding and implementing evidence-based, sustainable, and measurable ways to support people. I've spent the past 9 years as a researcher understanding the best ways to support people -- the first 5 years getting my PhD in Psychology from Duke where I studied the effects of mindfulness on wellbeing, and the most recent 4 years at Facebook leading research for our Compassion Team and suicide prevention product.

I use qualitative and quantitative research methods to understand people's needs, work with cross-functional teams and experts to build out and implement support experiences, and use data-driven methods to define and measure their success.

Mark Hemsley, Technical Lead, The Anna Freud Centre, London, UK.

Mark is a programmer and technical architect by background, and has had a mix of experience working across commercial and public sector projects. In recent years he has been working with The Anna Freud National Center for children and families, and the London and south east CYP-IAPT collaborative to bring the innovations and learning from the technical sector into children and young people's wellbeing services. Outside of work, Mark is passionate about ensuring that people from all backgrounds have opportunities to learn how to code, and to put those skills into job opportunities.

Philip Klassen, Vice-President, Medical Affairs, Ontario Shores Centre for Mental Health Sciences & Assistant Professor, Departments of Psychiatry and Medicine, University of Toronto, Canada.

Administratively, Dr. Klassen is responsible, in partnership with the Senior Management Team and inter-professional colleagues at Ontario Shores, for quality improvement, utilization management, medical staff evaluation, recruitment and retention, and education. Dr. Klassen is the executive sponsor of the hospital's implementation of clinical practice guidelines, and quality-based procedures, and was Co-Chair of the provincial QBP expert panel, and implementation panel, for schizophrenia. Academically, Dr. Klassen has written and presented on clinical and quality-related topics, and topics in forensic psychiatry. He has been awarded for course design, and remains an active teacher at the undergraduate and graduate levels. He has a special interest in global mental health and has led the creation of the first mental health and diversion court in Africa. Dr. Klassen is also a practicing forensic psychiatrist, and works in the Traumatic Stress Clinic at Ontario Shores. Clinically, Dr. Klassen is active in the areas of forensic risk assessment and management, clinical sexology, assessment of fitness for duty, assessment of trauma outcome, and other forensic domains. He has also been an external reviewer for provincial and hospital programs.

Sumaiya Omar, COO, HashtagOurStories, London, UK.

Sumaiya Omar is a social media consultant and founder of social video company HashtagOurStories. She specializes in outsourcing video post-production services to emerging markets, reducing costs for media houses and easing digital workflows so creatives can focus on telling better stories.

Sumaiya has spent the last five years experimenting with emerging news platforms like Snapchat and Instagram in South Africa, India and the UK and has conducted mobile journalism workshops with broadcasters across Europe.

Desmond Patton, Assistant Professor, Columbia School of Social Work, Director of the SAFE lab, & Faculty Affiliate of the Social Intervention Group and the Data Science Institute, New York City, USA.

His research utilizes qualitative and computational data collection methods to examine how and why youth and gang violence, trauma, grief and identity are expressed on social media and the real world impact they have on well-being for low-income youth of color.

His current research projects examine: 1) How gang involved youth conceptualize threats on social media; 2) The extent to which social media shapes and facilitates youth and gang violence 3) Developing an online tool for detecting aggression in social media posts in partnership with the Data Science Institute at Columbia.

Dr. Patton's research on Internet Banging has been discussed on several media outlets to include the New York Times, Chicago Tribune, Chicago Sun Times, USA Today, NPR, Vice News, ABC News, and was most recently cited in an Amici Curae Brief submitted to the United States Supreme Court in the *Elonis vs United States* case which examined the issues of interpreting threats on social media. Before coming to Columbia in July of 2015, Dr. Patton was an assistant professor at the University of Michigan School of Social Work and School of Information. He received a BA in Anthropology and Political Science, with honors, from the University of North Carolina- Greensboro, MSW from the University of Michigan School of Social Work and PhD in Social Service Administration from the University of Chicago.

Gabriela Pavarini, Wellcome Trust Postdoctoral Fellow, Neuroscience, Ethics and Society Group, University of Oxford, UK.

Gabriela's research centres on moral psychology and its intersection with mental health. She currently works on a project titled Becoming Good: Early Intervention and Moral Development in Child Psychiatry (BeGOOD), led by Professor Iliana Singh and funded by the Wellcome Trust. Within the BeGOOD umbrella, she leads a sub-project called Citizens, which examines young people's moral attitudes towards early intervention strategies to manage children's moral and emotional development.

Her work is motivated by a strong sense of social responsibility and commitment to the inclusion of young people in ethical analysis and debate. In collaboration with two Young People's Advisory Groups, Gabriela is currently working to develop a set of digital tools that will enable better understanding of young people's moral experiences, attitudes, and challenges.

Before her postdoc, Gabriela completed a PhD at the Centre of Music and Science, University of Cambridge. Her PhD focused on interpersonal synchrony, a key element of social group formation such as we see among dancers, musicians and team athletes. She concomitantly collaborated in a project concerning the impact of oxytocin hormone upon morality, and co-led the Cambridge Moral Psychology Group.

John Pestian, PhD, MBA, Director, Computational Medicine Centre & Professor of Pediatrics, Psychiatry and Biomedical Informatics, Cincinnati Children's Hospital Medical Centre, University of Cincinnati, USA.

Dr. Pestian's lab (pestianlab.cchmc.org) focuses on developing advanced technology for the care of neuropsychiatric illness. Using artificial intelligence, his team integrates analyses of trait and state characteristics for early identification of both neurological and psychiatric illness. His lab developed and implemented an automated, electronic health record surveillance system that processes clinician notes to identify epilepsy surgery candidates up to two years earlier than traditional approaches. The lab also focuses on earlier identification of individuals at risk of suicide, depression, and bipolar and anxiety disorders using verbal and non-verbal language.

Current projects include fusion of linguistic, acoustic, and visual cues that are being tested in selected Cincinnati Public Schools and Cincinnati Children's clinics. Dr. Pestian and his lab have 18 issued patents and he is active in the entrepreneurial community. This activity has yielded over 500 jobs and one-half billion in revenue have been created. One invention, Processing Text With Domain-Specific Spreading Activation Methods, is a platform for neuropsychiatric research. Another, Optimization and Individualization of Medication Selection and Dosing, has been

used for optimal mental health drug selection on more than 420,000 people. He and his colleagues have published more than 80 peer reviewed publications that focus on applied and translational sciences apropos to artificial intelligence.

He currently mentors five junior faculty, of which three have recently received funding from the National Institutes of Health (NIH). Dr. Pestian is an alumni of the NIH's standing Study Section, Biomedical Library and Informatics Review Committee (BLIRC) of the National Library of Medicine, as well as the National Institute for Mental Health's, Pathway to Independence (K99) study section.

Diana Rayes, Project Coordinator, r2hc Syria: research for health in humanitarian crises, Johns Hopkins Bloomberg School of Public Health, Gaziantep, Turkey.

Diana Rayes is a global mental health researcher and public health professional, currently based in southern Turkey working on a collaborative project on humanitarian ethics with the Syrian American Medical Society (SAMS), International Rescue Committee, and the Johns Hopkins Center for Humanitarian Health. You can connect with her on Twitter @diana_r7.

Eric Rice, Associate Professor, University of Southern California in the Suzanne Dworak-Peck School of Social Work, California, USA.

He is the founding co-director of the USC Center for Artificial Intelligence in Society, a center which is a joint venture with the Viterbi School of Engineering. Dr. Rice received his PhD in 2002 from Stanford University. He is an expert in social network and community-based research. His primary focus is on youth experiencing homelessness. Since 2002, Dr. Rice has worked closely with homeless youth providers in Los Angeles and in many other communities across the country to develop novel solutions to end youth homelessness and support young people across the nation who experience homelessness.

Jennifer Russell, Chief Operating Officer at TalkLife, UK.

I have spent most of my career working in mental health and suicide prevention; I am also a Gestalt Counsellor. I believe that we need new ways to support people to talk about how they are really feeling in a way that is both supportive and engaging and that technology can be an excellent tool for this.

TalkLife is a new kind of social network providing support to young people who are struggling with mental health and the ups and downs of life. We provide an engaging, intuitive platform where young people can feel able to talk freely about how they are feeling and connect to others who are experiencing similar feelings.

TalkLife is based around the idea of peer support. People who join our network are encouraged to both give and get support. We firmly believe that the power of genuine human connection and knowing that you are not alone can play a huge part in recovery and supporting young people to live healthy, authentic lives.

We're a global platform supporting hundreds of thousands of users across over 120 countries. We are proud of our safeguarding, research partnerships and determination to change the way the world thinks about mental health!

Jane Shears, Head of Social Work, St Andrew's Healthcare, Northamptonshire, UK.

Jane is a registered and practicing social worker who, for most of her career, has worked in mental health services. She is an Approved Mental Health Professional under the Mental Health Act (1983), and a Best Interests Assessor (Mental Capacity Act, 2005). She has worked in various roles across the pathway from primary care mental health services to secure care.

Her main areas of research interest focus on enabling services to deliver effective interventions in partnership with people who use services and staff providing them.

Jane has considerable experience of working on international projects, the most recent being the setting up of an e-learning MSc in Mental Health Social Inclusion and Recovery. She now works as tutor on this course with the University of Hertfordshire.

She is currently chair of the International Committee and the Mental Health Policy, Practice and Education Group at the British Association of Social Workers. She represents the Europe Region of the International Federation of Social Workers on the Global Ethics Committee.

Joanna Sleigh, Applied Media Anthropologist, Freie Universität Berlin, Germany.

Joanna Sleigh received a BA at the University of Sydney specialising in Digital Cultures and Art History. She worked as Communications Coordinator at Australia's leading multi-arts centre Carriageworks, as a graphic designer for Indonesian creatives, and has worked for crowdfunding company Pozible in both the United States and Australia.

Dan Sofer, Founder & Co-Director, Founders & Coders, London, UK.

Please check the conference website for biography.

Duncan Stephenson, Director of External Affairs, Royal Society of Public Health, London, UK.

As Director of External Affairs for the Royal Society for Public Health, Duncan has responsibility for developing the organisation's voice on public health issues. Duncan has been behind many of RSPH's new policies including: working with young people and Slimming World on developing a childhood obesity plan; campaigning for alcohol calorie labelling; Health on the High Street - a national campaign to make High Streets more health promoting; and most recently drug policy reform, and calls for the introduction of activity-equivalence calorie labelling for food and drink.

Duncan has over ten years' experience in campaigns, media relations and public affairs working mainly on health and wellbeing issues. Prior to joining RSPH, Duncan looked after parliamentary and stakeholder relations for the Care Quality Commission. As Head of External Affairs at the YMCA, Duncan set up the All Party Parliamentary Group on Body Image and was instrumental in the Campaign for Body Confidence, now the BeReal Campaign. This included a project exploring male body image anxiety. He has previously worked for industry and at Unilever UK supported their response to the Public Health White Paper, covering issues such as food labelling, marketing and advertising to children and product reformulation. Outside of work, Duncan is a volunteer for OCD Action and a trustee of the People's Health Trust.

Ramakant Vempati, co-founder of Touchkin, India.

Ramakant is a data scientist with over 20 years of experience in impact investing & operations at the world's most respected organisations. Earlier, Ramakant worked at Goldman Sachs International in London as a COO supporting a multi-billion-dollar capital markets business; and at Barclays Capital in their global strategy team. Ramakant has also served as a senior advisor to a UN-World Bank backed entity, building a social impact investment portfolio across 11 countries. Earlier, he was a management consultant with Booz & Co in London. Ramakant started his career as part of the TAS, where he worked in the Tata group's venture incubator. His work has won professional excellence awards at Booz & Co and the Thomson-Reuters Ethical Finance Innovation award. He has spoken on analytics, impact evaluation and social investment at forums including the ILO in Geneva and UC Berkeley. Born and brought up in India, Ramakant has lived and worked in 18 countries and four

continents. A graduate from Indian Institute of Technology Kanpur, he holds an MBA from London Business School where he was a merit scholar.

Xingjie Wei, Assistant Professor, Information Systems, Decisions & Operations, School of Management, University of Bath, UK.

I obtained a PhD in Computer Science from the University of Warwick. Before joining the SoM, I worked as a Research Associate in the Psychometrics Centre in the Judge Business School at University of Cambridge. I have been working in Computer Science, Psychology and Business School departments doing interdisciplinary research investigating the relationship between human factors and computational techniques. My work focuses on analysing and predicting behavioural and psychological traits (e.g., personality) of humans from their social network data (e.g., text, image, activities, etc), which can be applied to improve business practice in marketing and management.

WORKSHOP LEADERS

Jyotsana Aggarwal, co-founder and CEO of Touchkin, India.

Touchkin is a health-tech start-up, which uses artificial intelligence to provide behavioral health support. Jo has been the Managing Director of Pearson Learning Solutions in the UK and a part of the founding team of Silatech, a non-profit focused on youth empowerment in conflict zones in the Arab world. Her work on mobile employability post Arab-spring helped connect over a million young people to skills and jobs, and won the Silver at the Stevie Awards, as well as the Global Telecom Business Innovation award in 2013. She was recognized by the eLearning Center in the UK as one of the top three global thought leaders in education technology. Jo is Board of Head Held High, a Trustee of the Rural Edge Trust, and an advisor to employability startups Edureka and Aspiring Minds. She has also served as an expert advisor to McKinsey & Co and National Skills Development Council. Jo holds a bachelor's degree in technology from the Indian Institute of Technology, Delhi and an MBA from the Indian Institute of Management, Lucknow.

Victoria Betton, Founder and Director of mHabitat, UK.

mHabitat is an NHS hosted organisation which supports people-centred digital innovation in health and care. She is a qualified social worker with over twenty year's experience in local government, third sector and the NHS. She has Masters degrees in Women's Studies, Social Work and a Diploma in Public Sector Relations. Her doctoral research was on the theme of mental health and online social networks. You can find her blog at www.codesigndigitalhealth.co.uk She is involved in steering HealthTech Women North and Digital Leaders Y&H and is an Improvement Fellow at the Y&H Improvement Academy. You can find her on Twitter @VictoriaBetton and her Pets as Therapy dog Bibi on Instagram at bibithepatdog.

Miriam Cohen, Psychology PhD candidate, University of Exeter & University of Bristol, UK.

Miriam Cohen is a Psychology PhD candidate working between the University of Exeter and the University of Bristol, funded by an ESRC South-West DTC Studentship. Her research investigates neurodisability within the criminal justice system, with a focus on prevalence, and neuropsychological consequences of, traumatic brain injury. This research also investigates the use of digital platforms to deliver neurorehabilitative interventions in incarcerated settings.

Diane Curry OBE, Chief Executive Officer, Partners of Prisoners and Families Support Group (POPS), UK.

Diane Curry has worked for the charity for 21 years. Diane has vast experience in working within the Voluntary Sector of the Criminal Justice System and is also a qualified social worker. POPS was founded by families with experience of supporting somebody in custody and continues to be needs-led in its approach. Diane has been at the forefront of promoting the needs of offenders' families and encouraging an innovative response to the provision of services for them that are reflective of their needs.

Diane has made outstanding contributions to the Criminal Justice Sector and is a significant pioneer and remarkable leader with regards to her work with offenders' families and Black and Minority Ethnic Offenders. In 2002 Diane developed and implemented the Black Prisoners Support Project (BPSP) group work programs and has had a pivotal role in setting up the charity National Body of Black Prisoner Support Group now the Coalition for Racial Justice (CRJUK). In 2006 Diane received an OBE in the Queen's Birthday Honours list, in recognition for her outstanding work in this area.

In 2013 Diane was invited to become an independent scrutiny panel member for the Greater Manchester Police and Crime Commissioner and is now a member of the GMP public protest panel and the AGMA Executive Steering Group. Diane also chairs the Greater Manchester BME Roundtable and represents POPS as a member of the Criminal Justice Alliance. Diane is also a member of the national RR3 (Reducing Reoffending Third Sector Advisory Group)

Diane also sits on the following committees: Reducing Reoffending Third Sector Advisory Group (RR3), Greater Manchester Police and Crime Steering Group (PCC), The Farmer Review, The Young Review and is Chair of the BME Roundtable Manchester. Diane is committed to developing the involvement of families in the Prison Reform agenda and for including them in the development of services that may impact upon them.

Asmae Doukani, Research Assistant & Research Degree student, London School of Hygiene and Tropical Medicine (LSHTM), UK.

Asmae's research interest lies in understanding how technology can be harnessed to increase engagement and access to psychosocial interventions in UK and in low resource settings, globally. Prior to joining LSHTM, Asmae completed a Degree in Psychology and a Masters in Research Methods in Psychology. She has subsequently worked in a range of research, clinical and advocacy roles, gaining experience with individuals who have wide-ranging lived experience of mental distress. Asmae has a keen interest in public engagement, recently coordinating a range of awareness building activities at LSHTM, for WHO's 2017 World Health Day theme on depression.

William R Frey, Researcher at the Columbia School of Social Work and Coordinator of the SAFE Lab, New York City, USA.

His research interests include race, violence, and social media, specifically white people's perpetuation of microaggressions, violence, and oppression on and offline. He comes from a social justice education and inter/intragroup dialogue background with an expertise in facilitating critical conversations across difference.

In addition to his work with the SAFE Lab, William is an independent consultant, facilitating workshops around anti-racism, justice, and equity. Before his time at Columbia University, he engaged in critical pedagogy development while working with high school-aged youth to support their learning around group dynamics, power, privilege, oppression, and social justice.

Alex Goforth, Programme Lead, CYP IAPT, London and South East of England.

CYP IAPT is a national programme of service transformation, which will have 100% geographical coverage by 2018. The London & South East Collaborative includes over 110 services across the region. Member of the national CYP IAPT Collaboratives Group, national HEE CWP Steering Group, etc. Has been leading a series of Digital Hackathons for accelerating uptake of digital technologies in mental health services for children and young people over the past 18 months. A qualified Programme and Project Manager, and holds an MA and PGDip in Psychoanalytic Studies from the Tavistock.

Pattie Gonsalves, Project Coordinator | Public Engagement, PRIDE Project, New Delhi, India.

Pattie works in the areas of arts and mental health to improve health outcomes for adolescents and youth in India. A graduate in global health from the University of Oxford, her diverse background ranging from psychology, development and public health has given her opportunities to serve as a youth consultant to UNICEF and co-found the "Music Basti" project, which connects at-risk children with music and life-skills education. She has also worked with the International Institute for Sustainable Development (IISD), served as the Head of Institutional Advancement at the Global Music Institute and conducted research in rural Tamil Nadu for Artists Striving to End Poverty (ASTEP). Pattie is presently leading a youth mental health public engagement initiative, "It's OK To Talk", at the Public Health Foundation of India (PHFI) in New Delhi. The program aims to engage young Indians in a dialogue about mental health and is set to launch the first adolescent and youth-focused Hindi and English mental health website and social media campaign in April 2017.

Mark Hemsley, Technical Lead, The Anna Freud Centre, London, UK.

Mark is a programmer and technical architect by background, and has had a mix of experience working across commercial and public sector projects. In recent years he has been working with The Anna Freud National Center for children and families, and the London and south east CYP-IAPT collaborative to bring the innovations and learning from the technical sector into children and young people's wellbeing services. Outside of work, Mark is passionate about ensuring that people from all backgrounds have opportunities to learn how to code, and to put those skills into job opportunities.

Tamseel Hussain, Independent Consultant, Founding Team Member for itsoktotalk & Founder of PLUC (people Like Us Create llp), India.

Tamseel is a youth expert in public and online engagement. He supports non-profit organizations, technology companies and politicians by helping them leverage technology. He was part of the founding team of Change.Org in India and also helped found the Oxfam India digital team. He recently founded PLUC, a millennial-led public spaces movement in Indian cities and an Internet and social media TV network.

Telixia Inico, TheTruthPoet, South London, UK.

Telixia Inico who goes by her pen name TheTruthPoet was born and raised in South London. She has been writing poetry since the age of 11 and used it as an outlet. Despied being dyslexic she published her first poetry collection based on real life situations in 2016 entitled 'TheNakedTruth', which is in Waterstone's, Amazon, Foyles bookstore and many more online outlets. She not only became a published author at 25 but at 26 she launched South London's first and only not for profit creative agency called TheTruth Sessions. The organisation supports artists and entrepreneurs from undervalued communities to follow their dreams by providing affordable branding tools to help build their brands personally and professionally. TheTruthPoet is continuously providing opportunities for the people who need them as well as uplifting and spreading a positive and real message through poetry.

Fabien Sozandry, Film Director, London, UK.

Fabien Sozandry is a French film Director of Malagache decent. His film work has acclaimed multiple awards including Best Director 2010 BEFTA. Fabien also worked with The Hayward Gallery, as there in house filmmaker at the age of 16, his short films were screened several times at The British Film Institute and won a best story

and best picture award. He also worked with BBC as a documentary filmmaker. He worked for Livity as a freelance filmmaker, making corporate and campaign marketing films for a number of companies including Nike, Mindshare, MTV and Sony BMG and for Current TV on a documentary about pop culture in Paris, before setting up his own production company Invincible Frames. Where he has worked for the likes of Channel 4, Accenture, EY and many more. He is also renowned for his paintings, which were recently exhibited at the American Embassy for American black history month. His Art driven approach to film making has enabled him to gain an insight into visual literacy for which he is a strong and passionate advocate for its use in education and medicine.

Ramakant Vempati, co-founder of Touchkin, India.

Ramakant is a data scientist with over 20 years of experience in impact investing & operations at the world's most respected organisations. Earlier, Ramakant worked at Goldman Sachs International in London as a COO supporting a multi-billion-dollar capital markets business; and at Barclays Capital in their global strategy team. Ramakant has also served as a senior advisor to a UN-World Bank backed entity, building a social impact investment portfolio across 11 countries. Earlier, he was a management consultant with Booz & Co in London. Ramakant started his career as part of the TAS, where he worked in the Tata group's venture incubator. His work has won professional excellence awards at Booz & Co and the Thomson-Reuters Ethical Finance Innovation award. He has spoken on analytics, impact evaluation and social investment at forums including the ILO in Geneva and UC Berkeley. Born and brought up in India, Ramakant has lived and worked in 18 countries and four continents. A graduate from Indian Institute of Technology Kanpur, he holds an MBA from London Business School where he was a merit scholar.

Xingjie Wei, Assistant Professor, Information Systems, Decisions & Operations, School of Management, University of Bath, UK.

I obtained a PhD in Computer Science from the University of Warwick. Before joining the SoM, I worked as a Research Associate in the Psychometrics Centre in the Judge Business School at University of Cambridge. I have been working in Computer Science, Psychology and Business School departments doing interdisciplinary research investigating the relationship between human factors and computational techniques. My work focuses on analysing and predicting behavioural and psychological traits (e.g., personality) of humans from their social network data (e.g., text, image, activities, etc), which can be applied to improve business practice in marketing and management.

Q&A SESSION LIVE STREAM SPEAKERS

Tom Insel, President & Co-Founder, Mindstrong Health, California, USA.

Dr Tom Insel is a neuroscientist and psychiatrist. He was previously at Verily Life Sciences (formerly Google Life Sciences) in December 2015, and he was Director of the National Institute of Mental Health at the NIH from 2002 to 2015. At NIMH he brought the power of genomics and neuroscience to the study of serious mental illness, he launched the Research Domain Criteria project to transform diagnostics and he led an overhaul of the clinical trials program to focus on targets and mechanisms. His research interests have spanned clinical studies of obsessive compulsive disorder, neurobiological studies of the role of oxytocin and vasopressin in complex social behaviors, and global mental health. He received his BA and MD degrees from the Boston University and completed his residency in psychiatry at UCSF. Dr Insel is a member of the National Academy of Medicine and has received numerous honors including an honorary degree from the University of Edinburgh.

Simon Wessely, MA BM BCh MSc MD FRCP FRCPsych FMedSci FKC, London, UK.

Sir Simon Wessely is the President of the Royal College of Psychiatrists. He is also the Regius Professor of Psychiatry and Co-Director, King's Centre for Military Health Research and Academic Department of Military Mental Health, Institute of Psychiatry, Psychology and Neuroscience, King's College London. He is a clinical liaison psychiatrist, with a particular interest in unexplained symptoms and syndromes. He has responsibility for undergraduate and postgraduate psychiatry training, and is particularly committed to sharing his enthusiasm for clinical psychiatry with medical students. He also remains research active, continuing to publish on many areas of psychiatry, psychological treatments, epidemiology and military health.

Born and educated in Sheffield, he studied medical sciences and history of art at Trinity Hall, Cambridge, and then finished his medical training at University College Oxford, graduating in 1981. He obtained his medical membership in Newcastle, before moving to London's Maudsley Hospital to train in psychiatry, where he also obtained a Master's and Doctorate in epidemiology. His doctoral thesis was on crime and schizophrenia. Professor Wessely has been a consultant liaison psychiatrist at King's College Hospital and the Maudsley Hospital since 1991, where he set up the first NHS service for sufferers from chronic fatigue syndrome.

He became Director of the Chronic Fatigue Research Unit at King's in 1994 and of the Gulf War Illness Research Unit in 1996, which then became the King's Centre for Military Health Research, a unique collaboration between the IoP and the KCL Department of War Studies, in 2003. Its flagship project, a large-scale ongoing study of the health and wellbeing of the UK Armed Forces, has had a direct impact

on public policy and on forms of treatment and help for Service personnel. He is Civilian Consultant Advisor in Psychiatry to the British Army in which capacity he has visited services in Bosnia, Iraq and Afghanistan. He is a trustee of Combat Stress, the principal UK charity for veterans with mental health problems, and his contributions to veterans' charities include cycling (slowly) seven times to Paris to raise funds for service personnel in need.

He established the first clinical trials unit in this country dedicated to mental health, and is a Foundation Senior Investigator of the National Institute for Health Research, and Fellow of the Academy of Medical Sciences. In 2012 he was awarded the first Nature "John Maddox Prize" for Standing Up for Science, and was knighted in the 2013 New Year's Honours List. In 2014 he was elected as the next President of the Royal College of Psychiatrists.

Professor Wessely has over 750 original publications, with a particular emphasis on the boundaries of medicine and psychiatry, unexplained symptoms and syndromes, military health, population reactions to adversity, epidemiology, history and other fields. He has co-authored a text book on chronic fatigue syndrome, a history of military psychiatry and a book on randomised controlled trials, although none are best sellers. He is active in public engagement activities, speaking regularly on radio, TV and at literary and science festivals as well as writing columns for many national newspapers.

CONFERENCE TEAM

Asmae Doukani, Research Assistant & Research Degree student, London School of Hygiene and Tropical Medicine (LSHTM), UK.

I am an Operational Co-ordinator for the Innovation & Strategies for Digital Interventions in Mental Health Conference.

I am interested in understanding how technology can be harnessed to increase engagement and access to psychosocial interventions in UK and in low resource settings, globally. Prior to joining LSHTM, I completed a Degree in Psychology and a Masters in Research Methods in Psychology. I subsequently worked in a range of research, clinical and advocacy roles, gaining experience with individuals who have wide-ranging lived experience of mental distress. I have a keen interest in public engagement, recently coordinating a range of awareness building activities at LSHTM, for WHO's 2017 World Health Day theme on depression.

Becky Inkster, DPhil, Neuroscientist & Advocate for Social Good, London, UK.

I am the Creator of the Innovation & Strategies for Digital Interventions in Mental Health Conference.

I am interested in a lot of stuff.

Bibe Kadir, Social Anthropologist & COO, Educational Consultancy firm, London, UK.

I am the Creative Content Lead for the Innovation & Strategies for Digital Interventions in Mental Health Conference.

In my professional career, I provide advice and consultancy to government and local authorities, organisations and educational bodies. I work on projects and deliver educational programs making engagement and outreach a much easier process for the projects targeted audience. My current passions and works focus on producing workshops and programs, which seek to improve the lives of the patients in mental health care sectors. I create and manage projects alongside courses, which focus on developing the cognitive ability of those affected by the environment, connecting the past life traumas and environment.

CONFERENCE PARTNERSHIPS



Classrooms and Lecture Space used with the kind permission of the Head Master, Westminster School.



Funding for Westminster School venues kindly provided by the Wellcome Trust.



Breakfast and beverages kindly supplied by Starbucks.



Social Event venue courtesy of the Hospital Club.



Workshops supported by the Abbey Centre and Brixton Soup Kitchen.

FEATURE



The Birth Trauma Association

The Birth Trauma Association (BTA) is the only charity in the UK focusing on the issue of traumatic birth. Established in 2004, we have three simple aims: to raise awareness of birth trauma, to participate in campaigns and research to reduce the incidence of traumatic birth and, most importantly, to provide free advice and support for women and their families who are struggling to cope with the physical and mental aftermath of a traumatic childbirth experience. We collaborate extensively with the NHS and relevant healthcare professional bodies, and we welcome support from healthcare professionals engaged in perinatal healthcare development work.

Social media has provided us with huge opportunities to extend our support provision to women and families in need. Birth trauma and post-natal mental health still carries a significant social stigma, which means that many women feel unable to share their stories and feelings with family, friends and healthcare professionals. Through 1:1 peer support via private emails and social media the BTA is able to offer women a safe space in which they can freely talk about their experiences with other mothers. We are able to offer peer-to-peer support as well as advice and information on how to access the healthcare support available. Social media allows us a huge reach, and so the BTA is able to provide peer support to women across the country and internationally. In doing this, the BTA is able to actively reduce the social isolation so often experienced by women who have been through a traumatic birth. Our very active Facebook group currently has 4,500 members. We know that the women find the support offered by this group immensely valuable, and a number have told us that the group has saved their life.

Facebook public page: Birth Trauma Association - UK

Facebook closed group (for birth trauma support only): Birth Trauma Association

Website: www.birthtraumaassociation.org.uk

GLOSSARY OF TERMS

Appropriate Health Technology: Methods, procedures, techniques and equipment that are scientifically valid, adapted to local needs and acceptable to those who use them and to those for whom they are used, and that can be maintained and utilized with resources the community or country can afford.

Artificial Intelligence: Intelligence exhibited by machines. This includes any device that perceives its environment and takes actions that maximize its chance of success at some goal. Artificial intelligence is applied when a machine mimics 'cognitive' functions that humans associate with other human minds, such as 'learning' and 'problem solving'.

Assistive Technology: An umbrella term for any device or system that allows individuals to perform tasks they would otherwise be unable to do or increases the ease and safety with which tasks can be performed.

Big Data: A very large data set that, through computational analysis, can show links and relations between data objects.

Burden of Disease: The total significance of disease for society beyond the immediate cost of treatment. It measures years of life lost to ill-health as the difference between total life expectancy and disability-adjusted life expectancy.

Chatbot: An artificial intelligence which users talk with via text, which often mimics the responses of a human.

Clinical Significance: A conclusion that an intervention has an effect that is of practical meaning to service user and health care providers. Even though an intervention is found to have a statistically significant effect, this effect may not be clinically significant.

Clinical Trial: A controlled research study of the safety and effectiveness of drugs, devices or techniques that occurs in four phases, starting with the enrolment of a small number of people, to the later stages in which thousands of people are involved prior to approval by the licensing authorities.

Computational Aesthetics: A field that using computational models to assess the beauty of images, music, etc.

Computer Adaptive Testing: Tests that are designed to adjust their level of difficulty based on the responses provided, to match the knowledge and ability of a test taker.

Computer-Assisted Diagnosis: The use of information technology to assist health care professionals in diagnosis. This usually involves a dialogue between a computer system and a clinician. The systems are generally regarded as support systems for clinicians; the final responsibility for decision-making resides with the clinician.

Computer-Assisted Therapy: The application of computer technology to therapy.

Consent Form: A document used during the consent process, which is the basis for explaining to people the risks and potential benefits of a study or care intervention and the rights and responsibilities of the parties involved.

Consumer: One who may receive or is receiving services.

Cost of Illness: The personal cost of acute or chronic disease. The cost to the patient may be an economic, social or psychological cost or loss to himself, his family or community. The cost of illness may be reflected in absenteeism, productivity, response to treatment, peace of mind, quality of life, etc. It differs from health care costs in that this concept is restricted to the cost of providing services related to the delivery of health care, rather than the impact on the personal life of the patient.

Culture: The learned, shared and transmitted values, beliefs, norms and lifetime practices of a particular group that guides thinking, decisions and actions in patterned ways.

Data Activism: A type of activism that uses the production and collection of digital, volunteered, open data, to challenge existing power relations.

Datafication: The state whereby many aspects of our life are computerised into data, transforming information into new forms of values. An example is how Twitter datafies stray thoughts.

Data Shadow / Digital Dossier: The sum of all the digital tracks you leave behind, that tells a story, and creates a profile.

Data Shadow Donation: The explicit donation of one's data shadow.

Decision Analysis: An approach to decision-making that involves modelling the sequences or pathways of multiple possible strategies to determine which is optimal. It is based upon available estimates (drawn from the literature or from experts) of the probabilities that certain events and outcomes will occur and the values of the outcomes that would result from each strategy.

Design ideation: A design process used to come up with ideas and work through all possibilities. This comes after the identification of the problem statement, and before the prototyping stage.

Digital Anthropology: The anthropological study of the relationship between humans and digital-era technology. It approaches technology not only as a tool, but engages with the online world as a field site. It acknowledges that there is a fading distinction between real and virtual worlds.

Digital Mental Health: The use of information and communication technologies to help address people's mental health problems.

Digital Street: Exacerbation of firearm violence among young adults associated with the growth in social media usage has led to the formation of the concept of a 'digital street' as a new online context for the contagion of violence.

Digital Trace: The small traces of information that an individual leaves behind through everyday activities.

E-health: An emerging field in the intersection of medical informatics, public health and business, referring to health services and information delivered or enhanced through the Internet and related technologies.

E-Health literacy: The ability to seek, find, understand, and appraise health information from electronic sources and apply the knowledge gained to addressing or solving a health problem.

E-therapy: Psychological therapy conducted over the Internet--via e-mail, text chats, videoconferencing or other online communication methods.

Electronic Health Record (EHR): A real time patient health record with access to evidence-based decision support tools that can be used to aid clinicians in decision making. An EHR is a medical record or any other information relating to the past, present or future physical and mental health, or condition of a patient which resides in computers which capture, transmit, receive, store, retrieve, link, and manipulate multimedia data for the primary purpose of providing health care and health-related services.

Ethics (of Care): The basic evaluative principles which (should) guide "good" care. Principles typically refer to respect for, and the dignity of, human beings. Basic dimensions are "autonomy" (respect for self determination), "well-being" (respect for happiness, health and mental integrity) and "social justice" (justifiable distribution of scarce goods and services). More specifically, ethics of care refer to ethical standards developed for the care professions which are designed to implement ethical principles in the practice of care provision.

Enterprise Architecture: A representation of how technical and other systems fit within an organisation, and provides a blueprint of how to meet current/future business needs.

Facebook: A social networking website and service where users can post comments, share photographs and links to news or other interesting content on the Web, play games, chat live, and even stream live video. Shared content can be made publicly accessible, or it can be shared only among a select group of friends or family, or with a single person.

Feedback: The transmission of evaluative or corrective information about an action, event, or process to the original or controlling source.

Health Technology: The application of scientific knowledge to solving health problems. Health technologies include pharmaceuticals, medical devices, procedures or surgical techniques and management, communication and information systems innovations.

Human Computer Interaction: Involves the study, planning, and design of the interaction between people (users) and computers.

Information and Communication Technologies (ICT): Technologies that provide access to information through telecommunications. This includes the Internet, wireless networks, cell phones, and other communication mediums.

Information and Communication Technologies (ICT) Experience: Practical contact with information and communication technologies

Instagram: A mobile, desktop, and internet-based photo-sharing application and service that allows users to share pictures and videos either publicly or privately.

Intelligence estimation: Using computational models to predict the intelligence scores based on information extracted from profile images.

Internet (Cyber) Banging: Using social media sites such as Twitter, Facebook, and YouTube to trade insults or make violence threats that lead to violence or victimization.

LinkedIn: An online social network that is designed for business professionals. LinkedIn provides a way to connect with other professionals and helps you stay in contact with millions of users. LinkedIn is strictly used for exchanging knowledge, ideas, and employment opportunities and has increasingly become a leading tool for helping individuals expand their networks as well as find jobs in their field.

Long Data: A term used to describe a form of 'Big Data', which contains longitudinal information.

Machine Learning: Machine learning is a type of artificial intelligence (AI) that provides computers with the ability to learn without being explicitly programmed. Machine learning focuses on the development of computer programs that can change when exposed to new data.

Measured Intelligence: Intelligence score measured by an intelligence quotient test.

Open Data: The idea that some data should be freely available to everyone to use and republished as they wish, without resections from copyright, patents, or other mechanisms of control.

Patient Analytics: A predictive modelling to proactively identify individuals who would benefit from preventative care or lifestyle changes; broad scale disease profiling to identify predictive events and support prevention initiatives; collecting and publishing data on medical procedures, thus assisting patients in determining the care protocols or regimens that offer the best value; identifying.

Patient-Reported Outcomes (Assessment): Any report of the status of a patient's health condition that comes directly from the patient, without interpretation of the patient's response by a clinician or anyone else.

Perceived Intelligence: Intelligence score rated by human observers' perceptions based on the self-representation (i.e., profile images) of users.

Progressive Web App: An application initially accessed via web browser that can mimic the features of an app purchased from an app store, including but not limited to - being able to work without an active internet connection, push notifications, access technologies available in the device (e.g. GPS, Cameras).

Prototyping: A form of the possible solution in a format that can be tested with potential users.

Psychometrics: Psychometrics is the construction and validation of measurement instruments and assessing if these instruments are reliable and valid forms of measurement.

Remote Access: Remote access to a system or to information therein, typically by telephone or a communications network, by a user who is physically remote from the system.

Schizophrenia Spectrum Disorders (SSD): The spectrum of psychotic disorders which includes schizophrenia, schizoaffective disorder, delusional disorder, schizotypal personality disorder, schizophreniform disorder, brief psychotic disorder, as well as psychosis associated with substance use or medical conditions.

Thick Data: A term used to describe a form of 'Big Data', which also contains qualitative information to support largescale quantitative information.

Twitter: An online news and social networking service where users post and interact with messages, called 'tweets', which are restricted to 140 characters. Registered users can post tweets, but those who are unregistered can only read them.

User Experience (UX): The overall experience of a person using a product such as a website or computer application, especially in terms of how easy or pleasing it is to use.

User involvement: The involvement of users in the decision-making and evaluation of issues, such as in the provision of community services.

Virtual Reality: A computer-generated simulation of a three-dimensional image or environment that can be interacted with in a seemingly real or physical way by a person using special electronic equipment, such as a helmet with a screen inside or gloves fitted with sensors.