



NewMind

Technology in the service of Mental Health

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ENG16

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The EPSRC funded NewMind network, in association with NIHR MindTech HTC, explores the potential for technology to transform the management and treatment of mental health conditions, whilst seeking to address underlying Engineering and Physical Science (EPS) research challenges.

With a focus on four broad clinical themes – **Serious Mental Illness, Mood and Affective Disorder, Dementia, and Developmental Disorders** – and four cross cutting EPS research challenges – **Sensing Systems, Information Management, Data Analytics, and Human-centric Systems** – NewMind is actively engaged with its community of over 300 members from a range of EPS, clinical and research disciplines, industry partners, charities, and patient and service user representatives, from multiple institutions and organisations.

Through a series of workshops, seminars, and engagement events, the NewMind Research Roadmap has been developed to inform the future direction of the network, together with future research priorities and funding submissions.

We have also recently been successful in obtaining EPSRC 'Networks Plus' funding which allows us to **offer small scale feasibility funding to network members to develop project ideas**. Details of our next event in September are overleaf and on our website.

NewMind is proud to host the Mental Health Track sessions at this years MEIBioeng '16 conference, and we look forward to welcoming you to NewMind!

We are pleased to host this years Mental Health Track Sessions at MEIBioeng '16, introducing the work of NewMind and some of the exciting research activity that is taking place by members from across the network.

14:15-15:30 – NewMind & Technology for Mental Health: What works & what the future holds (1)

Introducing NewMind	Prof Chris Taylor (Associate VP Research)	University of Manchester
Workshop discussion: Refreshing the Research Roadmap		
Software Engineering Challenges in Digital Mental Health Research	Dr Pauline Whelan (mHealth Applications Manager, Centre for Health Informatics)	University of Manchester
Interactive involvement in, and access to, MH care planning	Dr Helen Brooks (Research Fellow, School of Nursing, Midwifery and Social Work)	University of Manchester
Early Signs of Dementia in Recording of User-Computer Interaction	Prof Alistair Sutcliffe (Professor of Systems Engineering, Manchester Business School)	University of Manchester & Lancaster University

16:10 -17:30 – Technology for Mental Health: What works & what the future holds (2)

Introduction	Prof Chris Taylor (Associate VP Research)	University of Manchester
Automated Monitoring of Symptom Severity	Prof Maarten De Vos (Associate Professor of Engineering Science, Biomedical Engineering)	University of Oxford
Diagnosing mental health disorders using computerised decision trees	Prof Eef Hogervorst (Professor in Psychology)	Loughborough University
A computer decision support system for detecting and managing risks associated with mental-health problems	Dr Christopher Buckingham (Senior Lecturer, Engineering & Applied Science)	Aston University
Tactile Biofeedback for a Personalised Mental Health Intervention	Dr Eiman Kanjo (Senior Lecturer, School of Science & Technology)	Nottingham Trent University
The EIP Matrix: an online tool that allows Early Intervention in Psychosis teams to have real time visualised data on the level of fidelity to NICE recommendations	Sarah Amani (Senior Programme Manager, Early Intervention in Psychosis Preparedness Programme)	Oxford Academic Health Science Network



NewMind Network Plus Funding

NewMind was recently awarded EPSRC 'Networks Plus' funding, enabling us to continue and grow the network, as well as establish a research fund to support exploratory & feasibility projects in line with our Research Roadmap.

We intend to award grants in two phases:

- Phase 1 - up to 12 exploratory / feasibility projects (up to £15k)
- Phase 2 - larger grant support (up to £45k) for up to four Stage 1 projects

Access to funding will be through a series of participative Sandpit proposal development workshops followed by Dragons' Den panels.

The first of these Sandpits took place in May, with Network members developing a number of project ideas for submission, with successful proposals being invited to present to the panel in October.

Our next Sandpit takes place at the end of this month on Thursday 22nd & Friday 23rd September in Manchester and you are invited to attend!

Come and speak to us at the Mental Health Track sessions on Monday 5th September or contact daniel.morley@manchester.ac.uk