

Postdoctoral Research Fellow

Scientific Data Management Group,
Deep Learning and AI High-performance Network Project (DAPHNE)

CRD

MY RESEARCH AT THE LAB?





MY EXPERIENCE AT THE LAB



LIFE AS A RESEARCHER





CSSP Intern Talk Series, June 2021

ABOUT ME





Personal profile:

Experienced AI & ML engineer with 7 years of experience. Current working as a postdoc on the DAPHNE project



Achievements:

Endorsed by the UK govt. as a world leading expectational Talent in Digital Technology - 2020 Al Coach on Codecademy - 2021 Berkeley lab Teaching Scholar - 2020 Winner (2nd) Berkeley Lab Research SLAM - 2019



Education:

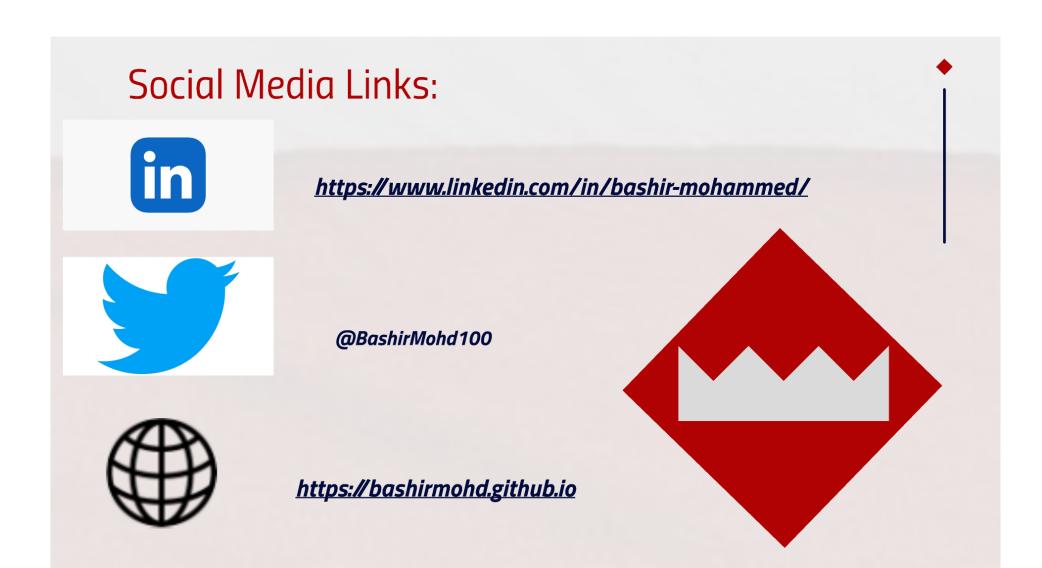
PhD. Computing, University of Bradford, UK - 2019 MSc Control Systems, University of Sheffield, UK - 2012 Intern with Rolls-Royce Sheffield UK - 2011



Work experience:

Worked in the Industry, Network operations research, Aerospace, Control systems, Fintech and Academia





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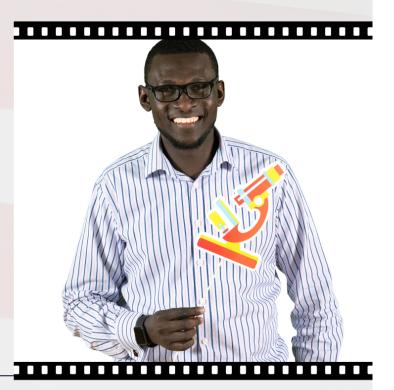


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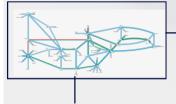


CSSP Intern Talk Series, June 2021

NETPREDICT

EINFORCEMENT LEARNING FO

DEEP REINFORCEMENT LEARNING











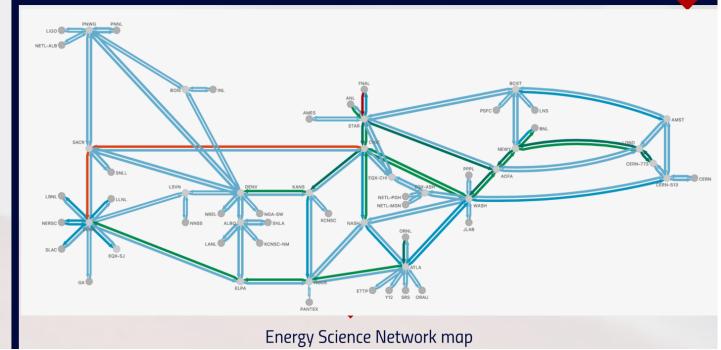
My current research focuses on developing Al and ML algorithms to control high-speed network for exascale science applications and to optimize how existing US DOE distributed network infrastructures are utilized.

Towards self-configuring, self-optimizing, self-healing and self-protecting Networks.

Designed to work with research and education networks to schedule big science data transfers up to seven days ahead to achieve optimum network

performance.

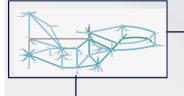
(NETPREDICT) GOOGLE MAP FOR ESnet



NETPREDICT

EINFORCEMENT LEARNING FOR NETWORK CONTROL DE

DEEP REINFORCEMENT LEARNING FOR LASER CONTROL





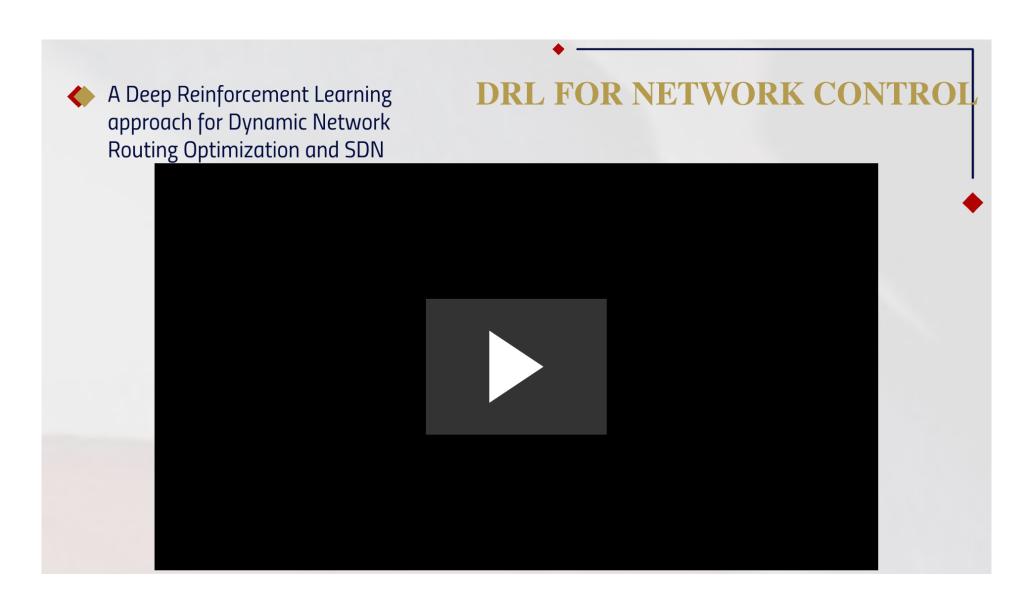


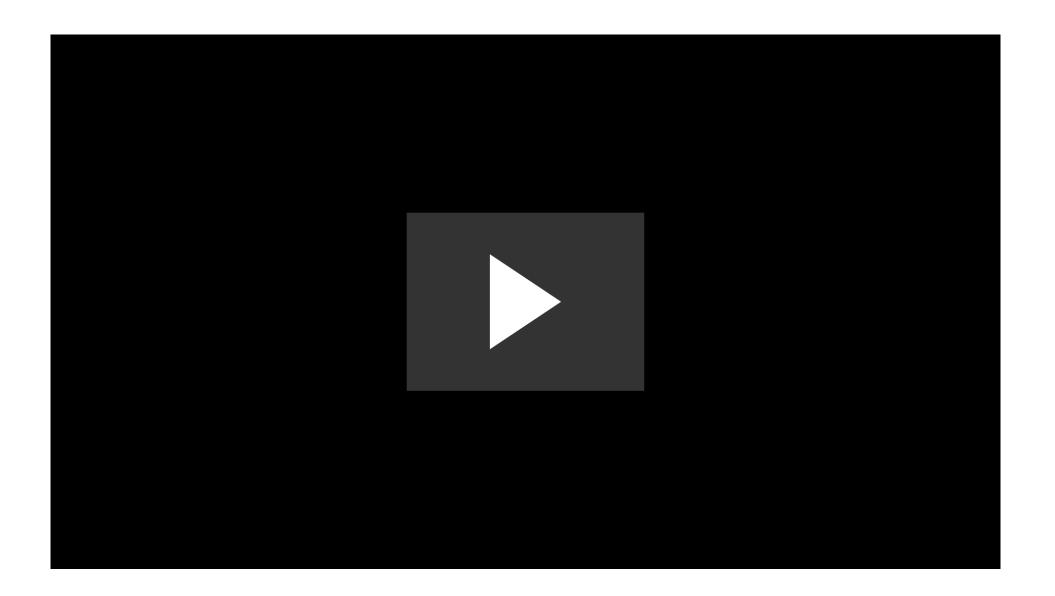




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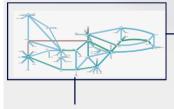




REINFORCEMENT NETPREDICT NETWORK (

NETWORK CONTROL

DEEP REINFORCEMENT LEARNING FOR LASER CONTROL







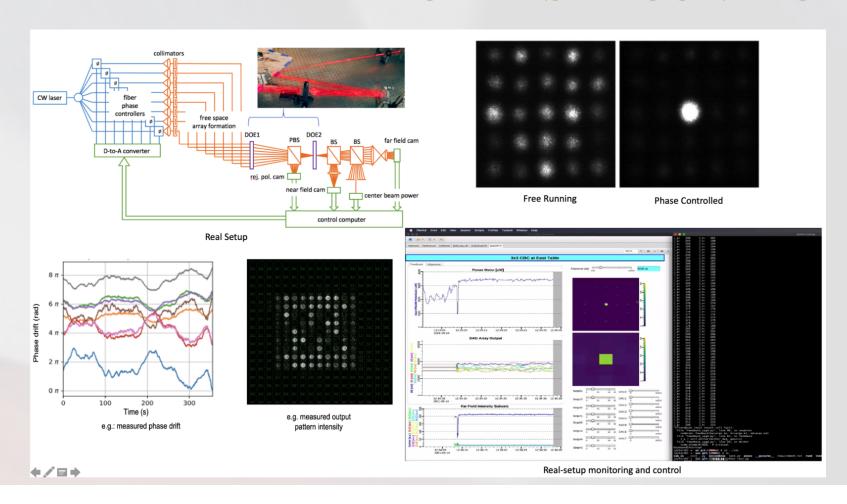




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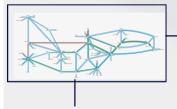
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DRL FOR LASER CONTROL



REINFORCEMENT LEARNING FOR NETWORK CONTROL DI

DEEP REINFORCEMENT LEARNING FOR LASER CONTROL



NETPREDICT









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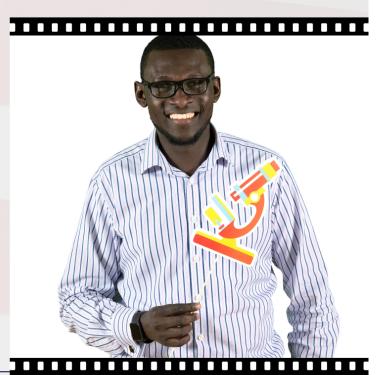


MY EXPERIENCE AT THE LAB



LIFE AS A RESEARCHER





CSSP Intern Talk Series, June 2021



My experience at the Lab has been an amazing one.

I have lived and worked in Multiple countries, so I have some international experience.



LAB EXPERIENCE

SCIENCE COMMUNICATION

