



2016 YCCSA SUMMER SCHOLARSHIP PROJECT SUBMISSION

This form is for prospective project supervisors to submit their projects to be included in the YCCSA Summer Scholarships Programme for 2016.

It is the purpose of the Summer School that any projects submitted are interdisciplinary in nature.

Date	15/01/2015
Supervisors' Names and Departments	Dr Jonathan Hook – Department of Theatre, Film and Television Dr Catherine Laws – Department of Music Dr Tom Cornford – Royal Central School of Speech and Drama
Project Title	Representing Rehearsal: Developing Interactive Visualizations that Enhance Contemporary Theatre and Music Rehearsal Practices.
Project Description	<p>There has been considerable research on performance practices in both Music and Theatre. However, little work has explored the complex, often ephemeral and always multi-layered <i>rehearsal</i> processes in which these performances are developed, and how they might be enhanced with digital tools (cf. Whatley, et al. 2013 for inspiring related work in dance). The project will explore how the structured and interactive visualization of data (primarily video) captured during rehearsals can be used to help production team members and artists document, interpret, reflect on and develop ongoing rehearsal processes.</p> <p>Working closely with practitioners in the fields of Music and Theatre, one student will develop a mobile application that allows video data to be captured in a lightweight and unobtrusive manner during rehearsals. The student will also develop an interactive approach for visualizing this data, which enables production teams and artists to facilitate, interpret and/or document rehearsals in new and enhanced ways. The project will conclude with a study in which the application and visualization approach developed are deployed and evaluated in a real rehearsal context.</p>
Required Skills	<ul style="list-style-type: none"> • Knowledge of mobile application development. Experience with cross-platform development tools (e.g. PhoneGap) is preferred but not essential. • Knowledge of client-side web development using HTML5. Experience with server-side development (e.g. PHP or Node.js) and web-based data visualization libraries (e.g. D3.js) are preferred but not essential. • Knowledge of user-centred design processes.
Project Dates	The project would commence on Monday, 11 July 2016 and finish on Friday, 9 September 2016.
Other Information	Find out more about ongoing work in this area: http://representingrehearsal.com/
References	<p>Whatley, S. & Davies. S. RePlay:(Re) visiting the digital archive. <i>International Journal of Performance Arts and Digital Media</i> 9, 1 (2013). 83-98.</p> <p>Hook, J., Clarke, R., McCarthy, J., Anderson, K., Dudman, J. & Wright P. Making the Invisible Visible: Design to Support the Documentation of Participatory Arts Experiences. In Proc. of CHI '15, ACM, 2583-2592.</p>

When complete, please email the form to sarah.christmas@york.ac.uk