

Role summary

To assist in the practice's environmental simulation, analysis, and design work, with a particular focus on acoustics

Role Definition

Job Title: Acoustician

Reporting to: Partner of Specialist Modelling Group (SMG) on a day-to-day basis and ultimately to the Senior Partner

Responsibilities:

- Conduct research, analysis, and simulation of all aspects of acoustic design of buildings and surrounding spaces
- Advise and support design teams in the integration of acoustic design concepts and the assessment of building performance
- Liaise with the other members of the Specialist Modelling Group to develop fully integrated environmental design strategies across a range of architectural schemes
- Devise methodologies for improved analysis and presentation of various design strategies, particularly auralisation and visualisation of sound in and around buildings
- Support architectural teams in the use of environmental simulation tools and the interpretation and application of analysis results
- Develop a thorough knowledge of Foster + Partners procedures and standards and develop and add to these as required
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.

Qualities and Skills required:

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country the position is based
- Good undergraduate degree in an architectural or engineering related field
- Masters' degree or Ph.D. in environmental design (or equivalent relevant experience)
- Comprehensive understanding of acoustics and a broad knowledge of and interest in building physics and environmental design of buildings
- Understanding of environmental assessment procedures, designing to code and the methods and metrics required to demonstrate performance
- Advanced knowledge of building environmental simulation and audio software tools
- Experience with spatialised audio and auralisation (or similar immersive sound presentation techniques)
- Proficient with CAD software, preferably Rhino and Grasshopper
- Knowledge of at least one coding language
- Excellent graphic and communication skills
- Able to disseminate research knowledge to the Practice
- Enthusiasm to progress Environmental Design issues as the central part of the individual's career development
- Able to manage and prioritise tasks and time efficiently
- Resilient to cope with conflicting demands
- Able to work under pressure and to tight deadlines
- Able to demonstrate Initiative and a proactive approach to daily tasks
- Good interpersonal skills and able to work independently and as part of an effective team
- Methodical and accurate and consistent attention to detail

- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self-motivated and able to take responsibility
- Flexible attitude
- Able to build good relationships at all levels, internally and externally

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.