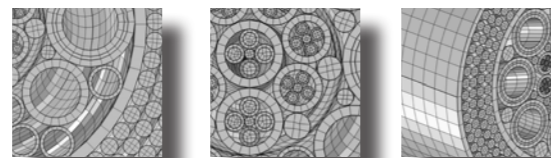


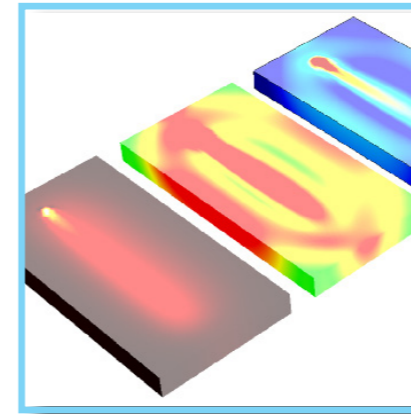
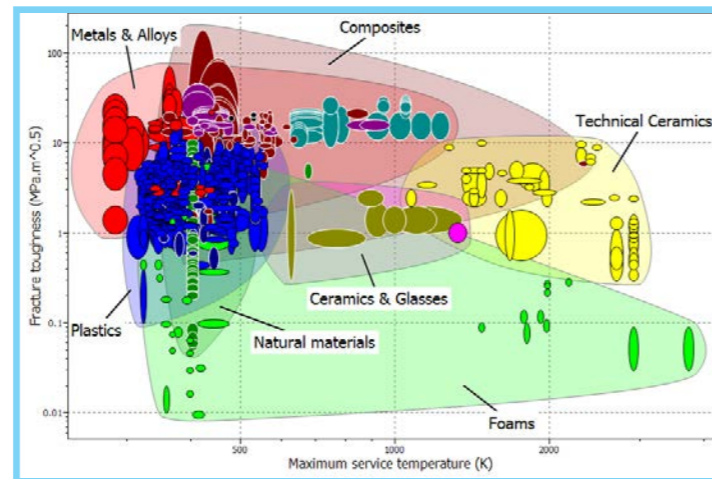
Continuum Blue is a British based company, which helps customers to develop, assess, quantify & optimise new innovative technologies & existing products, where coupled physical phenomena play a strong part in the development process. They assistance in reducing product development cycles and cost, and help eliminate redundant designs at an early stage. With over 15 years of experience in advanced simulation services, including; finite element analysis (FEA), computational fluid dynamics (CFD), and multi-body dynamics, Continuum Blue have helped many companies develop better products, through virtual prototyping and real world simulation. This gives the client the ability to fully understand and quantify a design's performance, and compare it with competitor products, before the costly process of prototyping, production and testing. From complex multiphase fluid flow, conjugate heat transfer, electrical & electromagnetic problems, to highly nonlinear structural simulations, Continuum Blue is able to help.



With their exceptional modelling capabilities and ability to accurately predict electromagnetic and mechanical effects during short circuiting of power cables, CMP Products unsurprisingly turned to Continuum Blue to develop the trefoil cleat short circuit simulation models for our range of products. This has given us the ability to better understand the forces acting on various trefoil cleat designs, the stresses and deformations observed, and the subtle changes in cleat design, or materials, which result in dramatic changes in performance.

Complementary to their simulation capabilities, Continuum Blue also perform advanced material testing, selection, assessment and optimisation. With the use of an extensive materials

MATERIAL SELECTION & OPTIMISATION: FRACTURE TOUGHNESS VS. TEMPERATURE

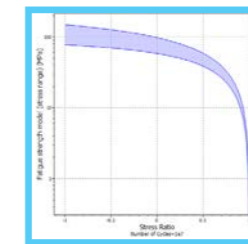
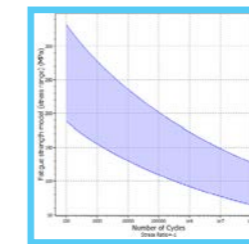
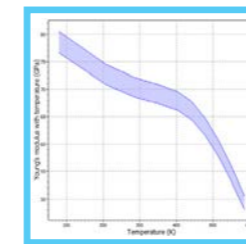


LASER HEAT TREATMENT & RESIDUAL STRESS OF METAL ALLOY STRUCTURE (TIME-DEPENDENT STUDY)

database, combined with their knowledge in characterising specialty materials, Continuum Blue help clients find unique material options, which outperform traditional solutions.

Continuum Blue provide the following services:

- Multiphysics simulations (Advanced FEA & CFD)
- Materials selection, assessment & optimization
- Materials testing & failure analysis
- Contract research

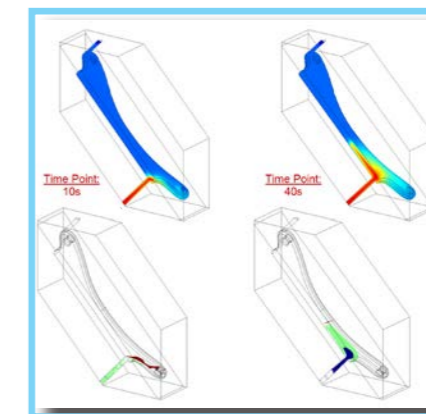


STRESS VS. TEMPERATURE, S-N CURVE & FATIGUE STRESS VS. STRESS RATIO OF COPPER ALLOY



Dr Mark Yeoman, is the founder of Continuum Blue, he has a degree in engineering and a PhD in computational modelling and applied mathematics,

where his postgraduate studies focused on the development of cardiovascular implants using simulation techniques & genetic algorithms for Medtronic Inc. Before starting Continuum Blue, he was a lecturer in applied dynamics & engineering. With over 20 years of experience in the field of multiphysics modelling, he has worked in, and continues to work in a variety of industries, including; oil & gas, aerospace, automotive, chemical & biomedical. Dr. Yeoman, was instrumental in the initial development of the trefoil cleat model and continues to help in its future developments.



MOULDING & MIXING OF POLYMERS: THERMAL RESPONSE & CURING VS. TIME

CONTINUUMBLUE
technology development