

TALKS

Thursday 17th October

Origins of life systems chemistry



Professor John
Sutherland

"How can chemistry morph into biology? This is the key question about the origin of life, be it on our planet several billion years ago, or elsewhere. I will demonstrate how hellish conditions on Hadean-Archean Earth could have set the stage for the transition from chemistry to biology."

Thursday 24th October

Re-entry vehicles for future space missions



Dr Paul
Bruce

"For more than 60 years, engineers have tackled the problem of entering a planet's atmosphere from space and landing safely on its surface. Atmospheric entry vehicles with an impressive track record of returning cargo and humans to Earth are being developed. The talk will expose the recent challenges."

Thursday 31st October

Not even wrong



Dr Robert
Brady

"Twelve years ago, Peter Woit wrote an iconoclastic book entitled 'not even wrong'. He argued that the discipline of string theory is not a science because it fails to propose any experiment that could show the theory to be wrong. Such failures are not new. In this context, I'll discuss the recent experiments on analogues of quantum mechanics."

Thursday 7th November

**Documenting endangered languages:
Experiences in Indonesia**



Professor Mary
Dalrymple

Professor Dalrymple has been recently involved with language documentation projects on Enggano Island. The talk will focus on three endangered languages of Indonesia.

Thursday 14th November

Looking ahead in the world of science



Professor
Brian
Josephson
(Nobel 1973)

"Complex coordination plays an essential role in biology, whereas in regular physics coordination manifests only in simple forms. Through their search for 'theories of everything', physicists have been led to an oversimplified picture of the natural world, one that works very well in the situations used to test physical theories, but which fails to address clearly issues such as quantum observation, thought, or meaning."

Thursday 21st November

Tea Cream Scones Society

Come and join us at our annual mid-term tea party!

Thursday 28th November

**Designing multisensory perception
of scientific models**



Dr David
Glowacki

Dr Glowacki, Head of Bristol Intangible Reality Laboratories, will demonstrate his artistic approach to computational chemistry. Real-time quantum chemistry, as well as interactive molecular dynamics in AR/VR will feature.

Friday 29th & Saturday 30th November

IYPT Celebration Symposium

Jointly with CU ChemSoc, we celebrate the International Year of Periodic Table 2019. On that occasion, you will hear **Sir Martyn Poliakoff, Peter Atkins, Andrew Szydlo, Peter Wothers** (a day after the launch of his new book!)

Thursday 5th December

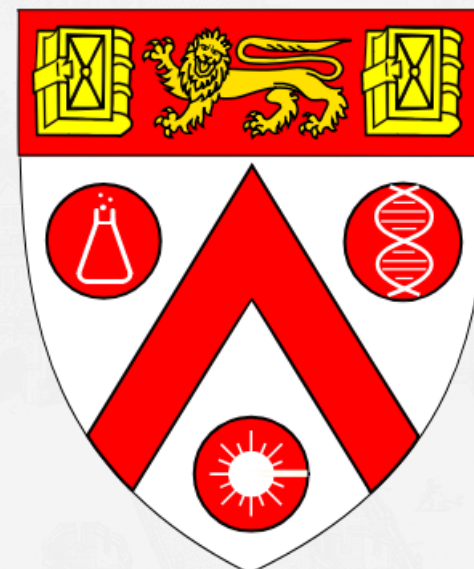
The theory lead hunt for extreme materials



Professor
Christopher
Pickard

"Modern methods for computing the properties of realistic materials from first principles have led to creation of robust, efficient and widely used codes. These allowed to search through the vast space of compositions and arrangements of atoms to discover new materials with extreme properties."

TRINITY COLLEGE SCIENCE SOCIETY



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