



Diversity of Catalysis

卡迪夫之夏 2018-催化多样性暑期课程

时间: 2018 年7月21日至8月4日 费用: 1995 英镑

As the home of the Cardiff Catalysis Institute, the School of Chemistry is a world leader in the teaching and research of catalysis.

作为卡迪夫催化研究所的所在地，卡迪夫大学化学学院是催化学教学和研究领域的世界领先者。

Our faculty includes renowned academics specialising in all areas of catalysis. This summer school will give you an insight into the cutting-edge of research on this all-important chemical process.

我们的教学人员包括催化学各个领域的知名学者。通过这个暑期课程，你将深入了解这一重要化学过程的前沿研究。

Our research is focused on finding solutions to current real-world problems, as well as improving catalytic processes already in use. This approach forms the basis of the Diversity of Catalysis Summer School, which provides a thorough grounding in both theory and practical skills.

我们的研究专注于为当今现实世界的问题寻找解决方案，以及改进已经使用的催化技术。因此，学院开办了催化的多样性暑期课程，旨在提供理论和实践技能的全面基础训练。

In keeping with our varied research, the course content explores the varied presence and application in the chemistry of the differing types of catalyst and catalytic applications. Ranging from organic, inorganic, spectroscopic and theoretical chemistry, you will gain a thorough understanding of the integral role catalysts play in chemistry.

通过化学学院在多方面的研究，暑期课程的内容将探讨不同类型的催化剂和催化应用在化学领域的应用。通过有机，无机，光谱和理论化学领域的研究，你将对于催化剂在化学领域中的整体作用有更透彻的理解。

Teaching will include hands-on sessions covering organic synthesis, molecular modelling, homogeneous and heterogeneous catalysis, spectroscopy, dynamics and characterisation.

教学内容广泛多样，包括有机合成，分子建模，均相和异质催化，光谱，动力学和表征的实践课程。

Preliminary schedule (Please note this is subject to change.)

催化的多样性暑期课程初步安排（可能有更改）

Saturday 21 July 2018 7 月 21 日周六	Arrival in Cardiff(Pick up from Heathrow provided) 抵达卡迪夫(提供希思罗机场接机)
Sunday 22 July 2018 7 月 22 日周日	Social event 社会活动
Monday 23 July 2018 7 月 23 日周一	Welcome lecture and orientation scavenger hunt 致欢迎辞及迎新寻宝活动
Tuesday 24 July 2018 7 月 24 日周二	Molecular synthesis - Session 1: Oxidation of limonene 分子合成 – 第一部分：柠檬烯氧化 Computational chemistry 计算化学
Wednesday 25 July 2018 7 月 25 日周三	Materials and energy 材料和能源 Industrial visit 行业考察
Thursday 26 July 2018 7 月 26 日周四	Developing catalysts for a sustainable future 未来可持续催化剂发展 Lectures 讲座
Friday 27 July 2018 7 月 27 日周五	Spectroscopy and dynamics 光谱学和动力学
Saturday 28 July 2018 7 月 28 日周六	Field trips and free time 实地考察和自由时间
Sunday 29 July 2018 7 月 29 日周日	Field trips and free time 实地考察和自由时间
Monday 30 July 2018 7 月 30 日周一	Catalysis and interfacial science Cardiff Catalysis Institute 催化剂和界面科学 卡迪夫催化研究所 Lectures 讲座
Tuesday 31 July 2018 7 月 31 日周二	Biological chemistry 生物化学 Lectures 讲座 Industrial visit 行业考察
Wednesday 1 August 2018 8 月 1 日周三	Characterisation of catalysis 催化剂的界定方法 Lectures 讲座 Industrial visit 行业考察
Thursday 2 August 2018 8 月 2 日周四	Inorganic synthesis 无机合成
Friday 3 August 2018 8 月 3 日周五	Presentations and final assessment 陈述和毕业评估 Final Gala Ceremony 毕业庆典仪式
Saturday 4 August 2018 8 月 4 日周六	Departure from Cardiff(Drop off to Heathrow provided) or join our extra week travel in the UK 离开卡迪夫（提供希思罗机场送机）或继续参加我们在 英国为期一周的旅行（需额外付费）。

Costs 费用

The fee for the Summer School is £1,995.

为期两周的暑期课程的费用为 1995 英镑。

This includes tuition fees, accommodation, 10 meals per week (breakfast and lunch, Monday to Friday), airport pick up and drop off from Heathrow Airport on fixed dates (pick up is on 21 July, drop off is on 4 August) and excursions organised by Cardiff University (such as Stonehenge and industrial visits).

包括学费，住宿费，周一至周五的早餐和午餐，希思罗机场接送机（7.21 接机，8.4 送机）以及卡迪夫大学组织的短途旅行（比如巨石阵和行业考察）

Contact us 联系我们

If you have any questions or for more information, please email angelacs@foxmail.com or call Angela at +8613263461779(in Chinese), or visit our WeChat account.

如果您有任何问题或更多信息，[请发送电子邮件至angelacs@foxmail.com](mailto:angelacs@foxmail.com)

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欢迎关注我们的微信公众号-卡迪夫之夏，了解卡迪夫暑期课程的全部内容。

