

西莉亚·赫依莱斯 爵士、英国伦敦大学学院教育学院数学教育教授



Professor Dame Celia Hoyles, D.B.E, O.B.E, PhD, M.Ed, BSc. (Hons), CMath,
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Professor Dame Celia Hoyles was awarded a first class honours degree in mathematics from the University of Manchester and holds a masters and doctorate in mathematics education. She taught mathematics in London schools from the late 60s before moving into higher education. Celia has published widely and worked constantly to change the public face of mathematics, initially by co-presenting a popular TV mathematics quiz show, Fun and Games, which topped the prime-time ratings between 1987 and 1990. She has directed more than 40 research and consultancy projects and published widely on mathematics and mathematics education. She was inspired by the vision of using digital technology to open

access to mathematics and specifically conducted design research to develop computer environments to engage students in learning mathematics.

Celia was the first recipient of the International Commission of Mathematics Instruction (ICMI) Hans Freudenthal medal in 2004, and of the Royal Society Kavli Education Medal in 2011, both for her research work. She was awarded the Canotta Distinguished Visiting Fellowship in Mathematics Education by the University of Hong Kong in 2010.

She has delivered keynote speeches at the major mathematics education conferences all over the world: as examples as early as 1992 at the 16th International Group for the Psychology of Mathematics Education (PME 16) in USA, at the First ICMI-East Asia Regional Conference on Mathematics Education, Korea National University of Education, in 1998, at the International Congress of Mathematics Education, (ICME) in 2008, at the XIV CIAEM-IACME, Inter-American Conference on Mathematics Education (IACME) in Mexico in 2015 May, and earlier this year in 2018 at the Southern African Association for Research in Mathematics, Science & Technology Education conference in Botswana.

She was the UK Government's Chief Adviser for Mathematics (2004- 07), the director of the National Centre for Excellence in the Teaching of Mathematics (2007-13). and President of the Institute of Mathematics and its Applications (IMA), a learned Mathematics Society (2014-15). Celia was made an Officer of the Order of the British Empire in 2004 and a Dame Commander in 2014. In 2016, she was selected for the Suffrage Science award for Communications in recognition of her promotion of mathematics and mathematics education.

中文简介

西莉亚·赫依莱斯 爵士、教授, D. B. E, O. B. E, PhD, M. Ed, BSc (荣誉), CMath.

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西莉亚获曼彻斯特大学数学一等荣誉学士学位，并拥有数学教育硕士和博士学位。她从 60 年代末开始在伦敦的学校教数学，然后进入高等教育。西莉亚已经在广泛领域发表论著并不断努力改变数学的公众形象，最初是通过共同提出一个广受欢迎的电视数学智力竞赛节目——Fun and Games，在 1987 年至 1990 年期间在黄金时段收视率最高。在数学和数学教育方面，她已经指导了 40 多项研究和咨询项目并发表了众多的论著。她受到使用数字技术学习和使用数学的愿景的启发，并专门进行设计研究，以开发让学生主动式参与数学学习的计算机环境。

西莉亚因她的研究工作成为国际数学教育委员会（ICMI）授予的弗赖登塔尔（Freudenthal）奖（2004）与皇家学会授予的卡弗里（Kavli）教育奖（2011 年）这两大奖的第一位获奖者。她于 2010 年获得香港大学颁发的 Canotta 数学教育杰出访问学者奖。

她在世界各地的重大数学教育会议上发表了主题演讲：如早在 1992 年于美国举行的第 16 届国际数学教育心理学小组（PME 16），1998 年于韩国国立教育大学举行的第一届 ICMI-东亚数学教育会议，2008 年的国际数学教育大会（ICME），第十四届 CIAEM-IACME，2015 年 5 月在墨西哥举行的美洲数学教育会议（IACME），以及今年早些时候，在博茨瓦纳举行的南非洲数学、科学和技术教育研究会议。

西莉亚是英国政府数学首席顾问（2004-2007），国家数学教学卓越中心主任（2007-2013），和数学专业机构-数学与应用数学研究所（IMA）的主席（2014-2015）。她于 2004 年被授予大英帝国勋章，并于 2014 年被英国女王册封为女爵。2016 年，她被选为 Suffrage Science 奖得主，以表彰她对数学和数学教育的促进作用。