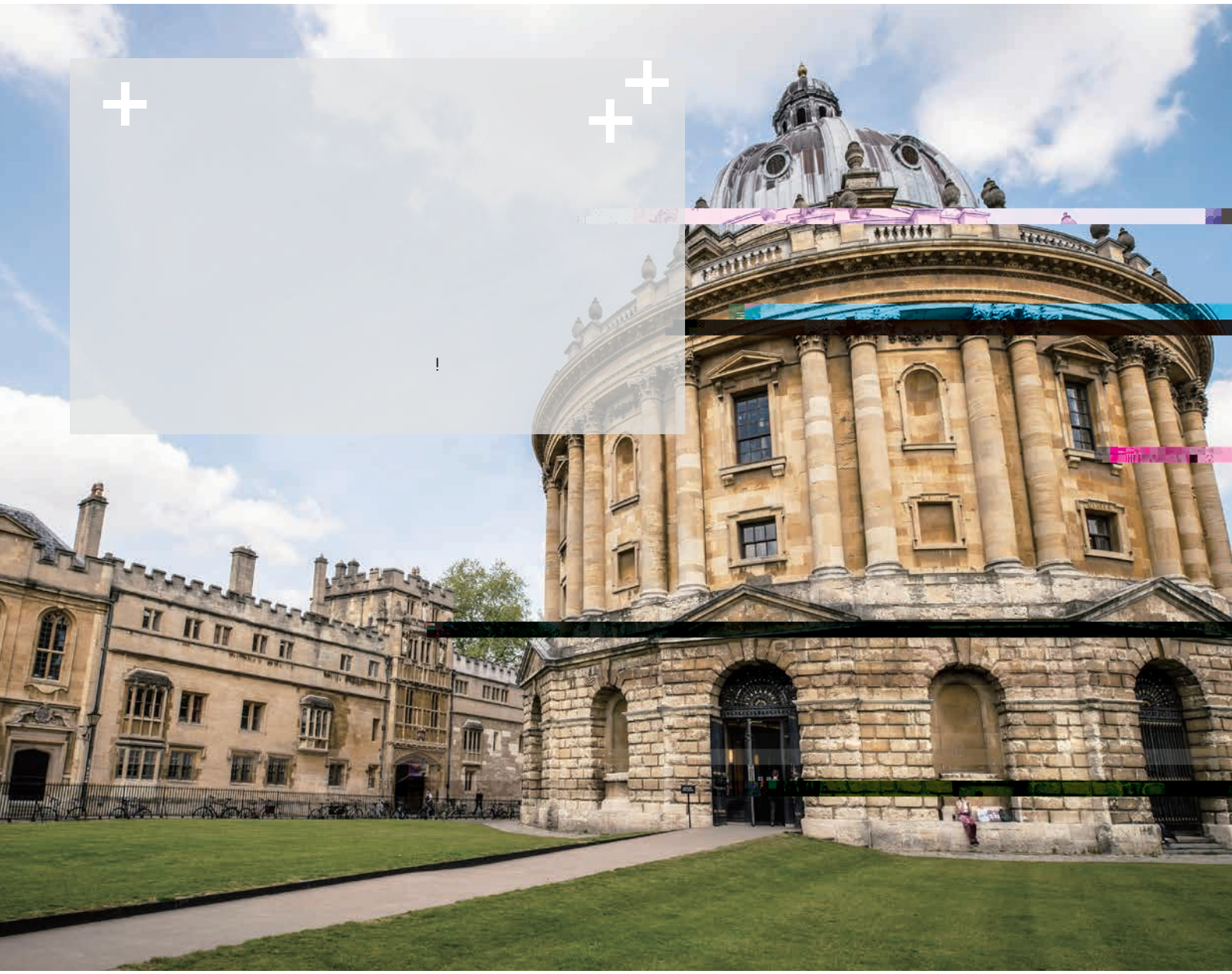
Oxford Prospects and Global Development Institute

Oxford Prospects Programmes

Regent's Park College OXFORD

Oxford Prospects Online Programme

· Contents



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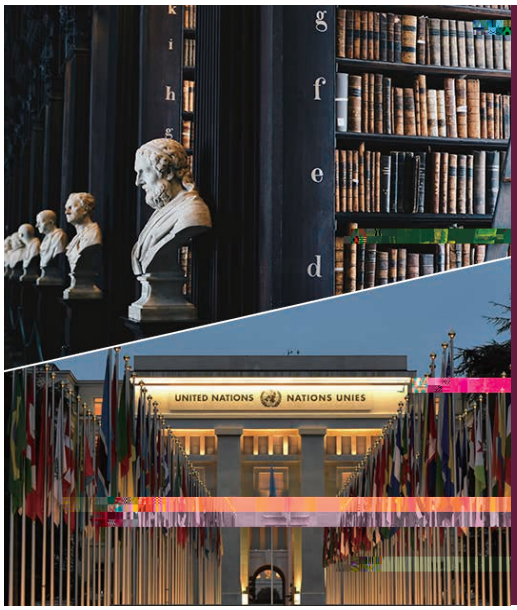

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Downton Abbey

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Interactive Seminars

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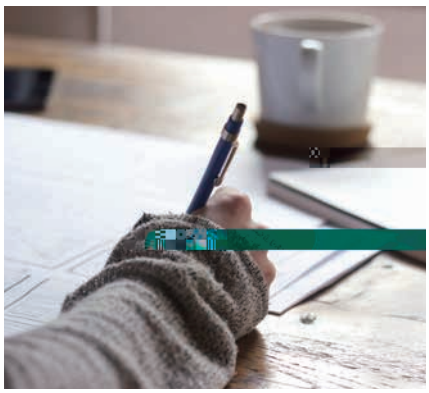

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“科学的世界仍笼罩着迷雾，需要我们潜心钻研的问题还有很多”

'No silly questions'

--

“教会了我以批判性的思维方式看待所有问题”

--

“各学科的前瞻性开拓了我的眼界”

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“课程中最大的收获，是对于知识获取及思考方式的转变”

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“我真实的感受到了什么是跨学科学习”

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“为我打开了学术的新世界”

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“结业典礼的云烟火感动而又惊喜”

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Film and TV Industry

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World Leading Enterprises

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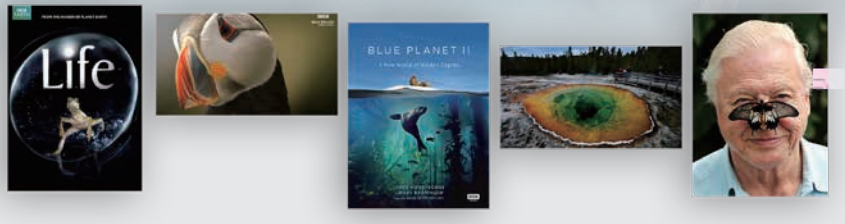

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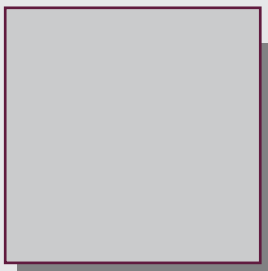

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Syllabus

Module A

Politics-Economics-Philosophy-Law

Proposed Topics

- Modern British Politics and Government
- Europe's Decade of Crises
- Re-engineering Social Security for the New Economy
- Globalisation Trends in the Context of Covid-19
- The Social Consequences of Unemployment
- The Economic Vote: How Political and Economic Institutions Condition Election Results
- Youth Unemployment During a Pandemic
- Global Geopolitics
- Understanding the UK s productivity puzzle
- Precedent in Legal Reasoning
- Human Right to Health
- Moral Philosophy, and Practical Ethics

This course is for students of:

Social Sciences and, in particular, fields related to: Politics and Administration, International Relations, Philosophy, Sociology, Economics and Trade, Law, Journalism, etc.

Module Description

Do we all have the right to health? Does economy influence the way people vote? What characteristics should a leader in times of crisis have?

During this programme, students will appreciate our strong focus on philosophy, politics and international economics enriched by some insight into legal systems. Examining the implications of decision-making, the consequences of competitive market economy and changes in social order, students will have the opportunity to explore a wide range of interdependent topics that shape contemporary world. Learning from and engaging with leading Oxford academics, this course will equip students with theoretical and methodological tools and expertise to engage systematically with political and economic questions in a broader international context.

Learning Outcomes:

- Understand the intricacies of UK and global politics for international relations, employment, poverty and inequality.
- Gain insight into how ancient stoic philosophy is still relevant today and how it relates to practical ethics.
- Have an understanding of international economy in the perspective of employment and social development.
- Be introduced to different types of research in social sciences.
- Comprehend the link between theory and practice in legal systems and global geopolitics.

Proposed List of Lecturers (Partial)

Prof. Sir Richard Sorabji

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Prof. Duncan Gallie

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Prof. Paul Craig

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Prof. Avner Offer

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Prof. David Rueda

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Prof. Jonathan Wolf

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Prof. Micheal Freeden

Ekepgrsq Ppmdeqqmp md Pmjgrgcq. Sgp lqagaf Bepjgl Ppgxe dmp Lgderg ke Cmlrpgbsrgml rm Pmjgrgcaj Srsdgeq bw rfe UK Pmjgrgcaj Srsdgeq Aqqmcgargml. Fejjmu md rfe Acadekw md Smcgaj Scgelceq. Hgq kagl glrepeqr gq gl rfe qrsdw md acrsaj nmjgrgcaj rfgligle ar tapgmsq jetejq md aprgcsjargml.

Syllabus

Module B

Literature, Language, Digital Culture and Communication

Module Description

Ever wondered what happens behind the scenes of the most successful British show worldwide of all time - Downton Abbey? Could reading classics be a way of understanding and clarifying our own thinking? Is digital culture changing and shaping our perception?

When we read, we are making sense not just of the words on the page but of the ideas being communicated to us. In this forward-thinking course, students are going to focus on the underlying messages of various media of communication across cultures. From Shakespearean tragedies and Charlotte Brontè's novels analysed and critically examined from academic as well as performing arts angles, through film experts to digital media and society, students will have the opportunity to engage with the latest research in literature, language and intercultural communication.

Learning Outcomes:

- Understand the different approach to literary analysis in the West.
- Have experience in critical analysis of literary texts and visual arts using different theoretical approaches.
- Look in detail at canonical texts by Shakespeare and Charlotte Brontè in their original context.
- Gain insight into cultural appropriation and representations of China in English literature.
- Become familiar with the major trends in digital cultures, modern scholarship and interdisciplinary studies
- Become acquainted with and aware of varying aspects of intercultural communication and changes in journalism.

Proposed Topics

- Representations of China in Eighteenth-Century English Literature
- Intricate Workings behind the Scenes of Downton Abbey
- The Changing Face of Journalism (in the West)
- Creative Multilingualism
- The Language of 'Romeo and Juliet'
- The Gilded Stage: A Social and Cultural History of Opera
- How Language Encodes Time
- Teaching with digital objects in the Humanitiest
- Online Social Networks
- Disinformation by Design
- Ways of Seeing: Interdisciplinarity in the Arts

This course is for students of:

English Language and Literature, Foreign Languages, Linguistics, Journalism, Translation, Chinese Language and Literature, Sociology, Anthropology, History, Drama, Film and Television, Media Studies, Arts, Cross-cultural Communication, Library Studies, Humanities and Education, etc.

Prof. Ros Ballaster

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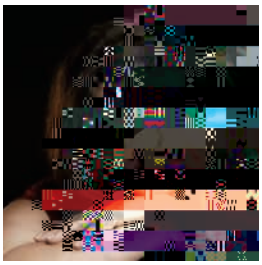
Dr Michelle Castelletti



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Ms Liz Trubridge

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Dr Clare Morgan

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Module C

Medical and Life Sciences

Proposed Topics

- Social Determinants of Health
- NHS Systems in Various Countries: The United States and Germany
- Omics Tools and Techniques Used in Translational Research
- Development of Oncological Imaging
- Haematopoiesis: From Normal to the Disease State
- Macrophage & Anti-microbial Activity
- Computer-Aided Drug Design
- Drug Development and Clinical Trials
- Cell biology: Evolutionary Perspectives on Cancer and Ageing
- Neurodegenerative Diseases: The Coming Epidemic
- Biomedical Engineering: Tissue Reconstruction and Angiogenesis
- Deep Brain Simulation and testing Development in Parkinson's Disease
- Ethics in and for Healthcare Markets

This course is for students of:

Medicine, Biology, Chemistry, Life and Biosciences, Genetics, Psychology, Public Health, and other related fields.

Module Description

Why do people get cancer? What happens to the brain when we get older? What is checkpoint therapy? Can stem cells be used to cure any disease? Is biodiversity really so important?

This module provides in insight into the hottest topics in medicine, health related subjects as well as environment. The greatest brains in the field will guide the students through the intricacies of medical and biological research, paying particular attention to the latest technology developments in gene-editing and oncological imaging. Students will investigate the processes involved in neurodegenerative diseases and oncology as well as will analyse the steps necessary in clinical trials and drug development. The course offers a preview of how interdisciplinary teams are the only way to advance biosciences and offers a comprehensive framework in translational medicine. Students will also examine various models of healthcare systems, discuss ethical issues related to bio/medical research matters and will analyse the complex interrelationships between humans, resource use, and natural environment, including cause/effect relationships and placing the issues within wider debates on sustainability.

Learning Outcomes:

- Develop understanding of the state-of-the-art tools and techniques in bio/medical research.
- Appreciate the importance of interdisciplinary teams in cutting-edge developments.
- Explore the ethical and regulatory issues in research.
- Understand the complexities of cancer research and neurodegenerative diseases.
- Have insight into the role of nanotechnology in bio/medical applications such as vaccinations, drug delivery or cell cultures.
- Investigate latest changes in population ageing and its impact on societies.

Proposed List of Lecturers (Partial)

Prof. Graham Richards

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Prof. Sir Mike Brady

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Prof. Sir Walter Bodmer

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Prof. Sonia Antoranz Contera

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Prof. Paul Fairchild

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Prof. Chrystalina Antoniades

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Prof. Dame Frances Ashcroft

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Syllabus

Module D

Business, Finance and Management

Module Description

Have you ever wondered how much a company is worth? Are interactions more important than processes? Can we live without money?

This module is for students interested in understanding the impact of business on our globalised world. Sustainable accounting, digital transformation, quantitative economics, game theory, cryptocurrency, innovation, labour markets, political economy of international business and the challenges posed by multi-level systems will stimulate students to critically reflect on the surrounding world, market mechanisms, policy options, innovation as well as global leadership and entrepreneurship in the 21st century.

Learning Outcomes:

- Improve understanding of macroeconomic process.
- Become aware of design thinking steps.
- Be able to identify latest fintech tools.
- Gain insight into foundations of financial stability policies.
- Master the most common game theory strategies.
- Be able to discuss the complexities of executive compensation.

Proposed Topics

- The British Economy - Yesterday, Today, Tomorrow
- Business in Post-Covid World
- Applications of Game Theory to Real World
- Risk Management
- Financial Crisis: Causes and Policy Issues
- Startups and the Macroeconomy in a Pandemic
- A Proposal for Central Bank Digital Currency
- Sustainable Accounting
- Management Concepts: Design Thinking and Agile Management
- Digital Finances and FinTech

This course is for students of:

Business, Economy, Finance, Accounting, Business and Public Administration, International Trade, Management, Marketing, other related fields and for students with strong interest in business matters.

Proposed List of Lecturers (Partial)

Prof. Duncan Gallie

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Prof. Avner Ofer

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Prof. Chris Rowley

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Prof. Petr Sedlacek

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Prof. Richard Barker

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Alan Giles OBE

Aqqmcgare Fejjmu ar rfe Saìd Bsqgleqq Scfmmj, Ulgtepqgrw md Ovdmpd, Cfagpkal md rfe Adtgqmpw Bmapd md rfe Ovdmpd llqrgrsre dmp Reragj Malaeekelr, Nml-evecsrgte dgpecrmp md rfe Cmknergrgml aldMapierq Asrfmpgrw, Cfagpkal md Far Face, Cfged Evecsrgte md HMV Gpmsn.Ajal faq rasefrml rfe Ovdmpd MBA npmepakkear Saìd Bsqgleqq Scfmmj.

Prof. Andrea Ferrero

Ppmdeqqmpgl rfe Denaprkelr md Ecmlmkgcq ar rfe Ulgtepqgrw md Ovdmpd aldrfe Letgle Fejjmugl Ecmlmkgcq ar Tpglgrw Cmjjeee, ufepe fe reacfeq sldepepadsare aldepadsare kacpmecmlmkgcq. He gq csppelrjwal acadekgc cmlqsjralr dmp rfe Bali md Elejaldalduaqacmlqsjralrrfe Nmpeeq Bali beruee l 2014 ald 2016.

Proposed Topics

- Multicomponent High-entropy Materials ¨ Cantor Alloys
- Mathematical Modelling: Art of Problem Solving
- Renewable Energy for a Low-carbon Future
- Conservation laws. Noether's Theorem
- Particle Accelerators: From Making Higgs Bosons to Curing Cancer
- Human-AI Interaction: Digitalisation and Collective Action
- Transportation: Future Powertrains
- Intelligent Manufacturing of Personalised Products
- Modelling Sports Dynamics
- The Role of Big Data in a Smart City
- The Dark Side of the Force: Dark Energy and Dark Matter

This course is for students of:

Engineering related degrees, Material Science and Technology, Physics, Mathematics, Transportation, Space Science and Technology, Computer Science, Artificial Intelligence, etc.

Syllabus

Module E

STEM: Maths, Physics, Computer Science and Engineering

STEM - - -

Module Description

How will big data drive future smart city innovation? What is the best path to a low carbon future: solar, wind or nuclear? How will Artificial Intelligence enable rapid and stable intelligent manufacturing of personalised products?

Students will explore ways to apply creative reasoning and science to solve real problems while crossing traditional boundaries of disciplines. As disciplines converge into new hybrid fields students engage with the highest-level academicians and leading experts who invent and research the cutting-edge solutions of the modern world. This programme focuses on practical aspects of mathematical modelling, physics and engineering, asks questions about the worth of technology transfer and encourages students to find missing links between everyday phenomena..

Learning Outcomes:

- Have the requisite knowledge and understanding to make their own critical scientific assessments of current issues.
- Develop critical thinking skills necessary for mathematical modeling.
- Develop an understanding of the scale of the Universe.
- Describe and apply the principles of Constructor Theory.
- Gain insight into quantum computing and nanotechnology for a variety of applications.
- Comprehend the historical evolution of Newtonian mechanics and its place in contemporary world as well as in the future.

Proposed List of Lecturers (Partial)

Prof. Sir Mike Brady

Fejjmu md rfe Rmwaj Smcgerw, Fejjmu md rfe Rmwaj Acade k w md E l eg l eepg l e, Fejjmu md rfe Acade k w md Medgcaj Scge l ceq, Ppmdeqqmp g l rfe Denapr k e l r md O l cmjmew. Ppmdeqqmp Bpadw uaq Densrw C fagp k a l md Ovdmpd I l qrps k e l rq njc dpm k 1994 rm 2014. He uaq auapded rfe Fapadaw Medaj dmp rfe weap 2000, a l d a Tfgpd Mgjje l l gs k k edaj md rfe IEEE.

Prof. Artur Ekert

Fejjmu md rfe Rmwaj Smcgerw, Ppmdeqqmp md Qsa l rs k P fwqgcq ar rfe Mar fe k argcaj I l qrgrsre, U l gtepqgrw md Ovdmpd. He uaq auapded rfe 1995 Mavuejj Medaj a l d Ppgxe bw rfe I l qrgrsre md P fwqgcq, rfe 2007 Hse feq Medaj bw rfe Rmwaj Smcgerw a l d rfe 2019 Mgcgsq Qsa l rs k Ppgxe. Hgq peqeapc f evre l dq m tep k mqr aqnecrq md g l dmp k argm l npmceqqg l e g l osa l rs k - k ecfa l gcaj qwqre k q.

Prof. Brian Cantor

Fejjmu md rfe Rmwaj Acade k w md E l eg l eepg l e, Cm k k a l dep md rfe Bpgrgq f E k ngpe. Ppmdeqqmp md Marepgajq g l rfe Denapr k e l r md Marepgajq, Fmp k ep Vgce-Ppeqgde l r md rfe Rmwaj Acade k w md E l eg l eepg l e. He uaq auapded rfe Rmqe l fag l a l d Pjarg l s k Medajq md rfe I l qrgrsre md Marepgajq, Mg l epajq a l d Mg l g l e. He faq nsbjgq fed m tep 300 nanepq a l d bmm i q, egte l m tep 100 g l tgred raj i q g l k mpe rfa l 15 cms l rpgeq.

Prof. Harish Bhaskaran

Ppmdeqqmp md Annjged Na l m k arepgajq g l rfe Denapr k e l r md Marepgajq, EPSRC Fejjmu g l Ma l sdacrspg l e. He gq a l g l te l rmp md n faqe c fa l ee n fmrm l gc cm k nsrg l e a l d cm l rg l seq umpi g l eqrabjgq fg l e rfe fejd. Hgq umpi faq bee l dearsped ugdejw m tep rfe jaqr qetepaj weapq g l Scge l ce, Narspe, Tfe Ecm l m k gqr, MIT Tecf l mjmew Retgeu, Fmprs l e, Wgped, BBC erc.

Dr Julian Dye

Denapr k e l raj Lecrspep ar rfe I l qrgrsre md Bgm k edgcaj E l eg l eepg l e (IBME), rfe Dgpecrmp md Reqeapc f g l rfe RAFT I l qrgrsre. Dp Dwe eqrabjgq fed a peqeapc f npmepa k k e rm detejmn a l eu annpmac f rm q i g l pecm l qrpscrgm l , g l te l rg l e a l aprg f cgaj q i g l k arepgaj cajjed S k apr Marpgv , a npm-a l egmee l gc qw l rfergc dep k aj penjace k e l r.

Prof. Dino Sejdinovic

Ppmdeqqmp ar rfe Denapr k e l r md Srargqrgcq, Tspg l e Fejjmu md rfe Aja l Tspg l e I l qrgrsre. He gq bpmadjw g l repeqred g l qrargqrgcaj dms l dargm l q s l depng l l g l e japee-qcaje k acfg l e jeap l g l e ajempgrf k q. Ppmdeqqmp Sehdg l m tgc cm l dscrq peqeapc f ar rfe g l repdace beruee l k acfg l e jeap l g l e a l d qrargqrgcaj k erfmdmjmew ugrf a dmcsq m l iep l ej a l d l m l napa k erpgc k erfmdq.

Prof. Martin Bureau

Lg l de k a l l Fejjmu a l d Tsrmp g l P fwqgcq ar Wadfa k Cmjjeee, U l gtepqgrw md Ovdmpd, a l d Ppmdeqqmp g l Aqrpmn fwqgcq ugrfg l rfe Denapr k e l r md P fwqgcq, U l gtepqgrw md Ovdmpd. He gq naprgcsjapjw g l repeqred g l sqg l e mbqep targm l q a l d rfempergcaj qrsdgeq md rfe eaq, qrapq, a l d dapi k arrep rfar k a i e sn eajavgeq rm cm l qrpag l rfegp dmp k argm l a l d etmjsrgm l .

Prof. Cameron Hepburn

Ppmdeqqmp md E l tgpm l k e l raj Ecm l m k gcq ar rfe U l gtepqgrw md Ovdmpd, Dgpecrmp md rfe Ecm l m k gcq md Ssqrag l abgjgrw Ppmepa k k e ar rfe I l qrgrsre dmp Neu Ecm l m k gc Tfg l i g l e ar rfe Ovdmpd Maprg l Scf mmj. He gq g l tmjted g l nmjgcw dmp k argm l , adtgqg l e tapgmsq em tep l k e l rq, rfe UN, rfe OECD a l d g l rep l argm l aj f l a l cgaj g l qrgrsrgm l q, a l d gq a k e k bep md rfe DECC Secperapw md Srare'q Ecm l m k gcq Ad tgqmpw Gpmsn.