

Oxford Physics Interview Questions

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Methodological Practices in Social Movement Research - Donatella Della Porta 2014

A systematic, authoritative, and accessible introduction to empirical research in social movement studies. Each of the main methods of data collection and data analysis are presented with a practical approach, from research design to data collection, the use of information through to ethical issues.

Why Chemical Reactions Happen - James Keeler 2003-03-27

Discusses chemical reactions, examining the bonding in molecules, how molecules interact, what determines whether an interaction is favourable or not, and what the outcome will be.

Getting into Oxford & Cambridge 2019 Entry - Mat Carmody 2018-04-02

Do you want to study at one of the most prestigious universities in the country? To succeed in your application to Oxford or Cambridge, you need to secure top A level grades and demonstrate real commitment to and enthusiasm for your subject, with admissions based solely on your academic potential . Updated annually to include all the vital details of the most recent admissions procedures, and packed with essential advice to help you win one of the fiercely sought-after places at Oxbridge, *Getting into Oxford and Cambridge* tells you everything you need to know to make a successful application. Featuring case studies from current students and tips from admissions tutors throughout, it will also give you a good idea of what it's like to study there. It contains practical, step-by-step guidance on the entire application process, including: Key information on each of the colleges, and how to choose the best college for you How to write an effective personal statement, including sample personal statements from recent successful Oxbridge applicants Ways to shine at interview, with a breakdown of what interviewers are looking for Details of the various written tests students face prior to or during interviews First-hand case studies from students who have been successful in the Oxbridge application process Founded in 1973, Mander Portman Woodward (MPW) is one of the UK's best-known groups of independent sixth-form colleges, with centres in London, Birmingham and Cambridge. MPW has one of the highest number of university placements each year of any independent school in the country. It has developed considerable expertise in the field of applications strategy and has authored *Getting into* guides covering entrance procedures for many popular university courses.

Mathematical Methods for Foreign Exchange - Alexander Lipton 2001

This comprehensive book presents a systematic and practically oriented approach to mathematical modeling in finance, particularly in the foreign exchange context. It describes all the relevant aspects of financial engineering, including derivative pricing, in detail. The book is self-contained, with the necessary mathematical, economic, and trading background carefully explained. In addition to the lucid treatment of the standard material, it describes many original results. The book can be used both as a text for students of financial engineering, and as a basic reference for risk managers, traders, and academics.

Prolonged Exposure Therapy for PTSD - Edna Foa 2007-03-22

An estimated 70% of adults in the United States have experienced a traumatic event at least once in their lives. Though most recover on their own, up to 20% develop chronic Posttraumatic Stress Disorder. For these people, overcoming PTSD requires the help of a professional. This guide gives clinicians the information they need to treat clients who exhibit the symptoms of PTSD. It is based on the principles of Prolonged Exposure Therapy, the most scientifically-tested and proven treatment that has been used to effectively treat victims of all types of trauma. Whether your client is a veteran of combat, a victim of a physical or sexual assault, or

a casualty of a motor vehicle accident, the techniques and strategies outlined in this book will help. In this treatment clients are exposed to imagery of their traumatic memories, as well as real-life situations related to the traumatic event in a step-by-step, controllable way. Through these exposures, your client will learn to confront the trauma and begin to think differently about it, leading to a marked decrease in levels of anxiety and other PTSD symptoms. Clients are provided education about PTSD and other common reactions to traumatic events. Breathing retraining is taught as a method for helping the client manage anxiety in daily life. Designed to be used in conjunction with the corresponding client workbook, this therapist guide includes all the tools necessary to effectively implement the prolonged exposure program including assessment measures, session outlines, case studies, sample dialogues, and homework assignments. This comprehensive resource is an exceptional treatment manual that is sure to help you help your clients reclaim their lives from PTSD. *TreatmentsThatWork™* represents the gold standard of behavioral healthcare interventions! · All programs have been rigorously tested in clinical trials and are backed by years of research · A prestigious scientific advisory board, led by series Editor-In-Chief David H. Barlow, reviews and evaluates each intervention to ensure that it meets the highest standard of evidence so you can be confident that you are using the most effective treatment available to date · Our books are reliable and effective and make it easy for you to provide your clients with the best care available · Our corresponding workbooks contain psychoeducational information, forms and worksheets, and homework assignments to keep clients engaged and motivated · A companion website (www.oup.com/us/ttw) offers downloadable clinical tools and helpful resources · Continuing Education (CE) Credits are now available on select titles in collaboration with PsychoEducational Resources, Inc. (PER)

Complete Oxford PAT Guide 2020 - R. J. Beresford 2020-04-05

New 2020 version with 60 Questions! Part II of the guide aims to provide extra questions for both the PAT and Interview; practice is key to succeeding in these areas! 20 PAT maths questions, 20 PAT physics questions and 20 Interview questions have been specifically written, ranging from standard to challenging in difficulty. Additional resources have also been provided as well as where to find solutions to PAT past papers. A complete guide to master the University of Oxford Physics Aptitude Test, including detailed notes, questions, an interview guide and more, split into two parts. This guide is a must-have for anyone applying for Physics, Engineering Science or Material Sciences at Oxford. Written by experienced students and tutors to provide an in-depth guide for all elements of the application process. Written for the latest version for the PAT. Buy Part I for the complete guide.

Families, Fathers and Failures. A Diary - Jim Plumstead 2015-11-17

An occasional diary (1940 to 2000) of three generations, with the bonds between father and son based strongly on cricket and their love of the game. Their limited success, or more often failure, in cricket may well have affected the way they have seen life and generated the feeling of failure in other ways.

Complete Oxford PAT Guide - Vir Publishers 2018-09-08

Part I contains a comprehensive list of formulae and a detailed set of notes to prepare students for the PAT and the interview. Part II contains PAT maths and physics questions as well as interview questions, plus other resources. A complete guide to master the University of Oxford Physics Aptitude Test, including detailed notes, questions, an interview guide and more, split into two parts. This guide is a must have for anyone applying for Physics, Engineering Science or Material Sciences at Oxford. Written by experienced students

and tutors to provide an in depth guide for all elements of the application process. Written for the latest version for the PAT as of 2018. Buy part II for the complete guide.

How Many More Questions? - Rochelle Caplan 2012-11-08

How Many More Questions?: Techniques for Clinical Interviews of Young Medically Ill Children provides readers with a comprehensive framework to understand how 5-10 year old children use language to formulate and communicate their thoughts. The book then guides the reader in how to effectively elicit information about sensitive and stressful topics from young children, such as their emotions, difficulties, problems, worries, and illness. Seventeen exquisitely written chapters that include twelve developmental guidelines, techniques, case examples, and illustrative dialogues provide the reader with the tools needed to address specific communication challenges involved in speaking with young children who have pain, medical trauma, terminal illness, or specific disorders like epilepsy. How Many More Questions? is useful for pediatric professionals who strive to acquire exceptional clinical interviewing skills and who no longer wish to hear children say, "When are we done?" The wide range of medical and non-medical professionals who work with young ill children, such as pediatricians, neurologists, psychiatrists, psychologists, neuropsychologists, social workers, nurses, child life specialists, as well as interested parents will use this book as a reference guide.

Complete Oxford PAT Guide - Vir Publishers 2018-08-07

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Do You Think You're Clever? - John Farndon 2009-10-01

What happens if I drop an ant? What books are bad for you? What percentage of the world's water is contained in a cow? The Oxbridge undergraduate interviews are infamous for their unique ways of assessing candidates, and from these peculiar enquiries, professors can tell just how smart you really are. John Farndon has collected together 75 of the most intriguing questions taken from actual admission interviews and gives full answers to each, taking the reader through the fascinating histories, philosophies, sciences and arts that underlie each problem. This is a book for everyone who likes to think they're clever, or who thinks they'd like to be clever. And cleverness is not just knowing stuff, it's how laterally, deeply and interestingly you can bend your brain. Guesstimating the population of Croydon, for example, opens a chain of thought from which you can predict the strength of a nuclear bomb ...and that's just the start of it.

The Science and Art of Interviewing - Kathleen Gerson 2020-10-23

Qualitative interviewing is among the most widely used methods in the social sciences, but it is arguably the least understood. In The Science and Art of Interviewing, Kathleen Gerson and Sarah Damaske offer clear, theoretically informed and empirically rich strategies for conducting interview studies. They present both a rationale and guide to the science-and art-of in-depth interviewing to take readers through all the steps in the research process, from the initial stage of formulating a question to the final one of presenting the results. Gerson and Damaske show readers how to develop a research design for interviewing, decide on and find an appropriate sample, construct a questionnaire, conduct probing interviews, and analyze the data they collect. At each stage, they also provide practical tips about how to address the ever-present, but rarely discussed challenges that qualitative researchers routinely encounter, particularly emphasizing the relationship between conducting well-crafted research and building powerful social theories. With an engaging, accessible style, The Science and Art of Interviewing targets a wide range of audiences, from upper-level undergraduates and graduate methods courses to students embarking on their dissertations to seasoned researchers at all stages of their careers.

Job interview questions and answers for employment on Offshore Drilling Platforms - PETROGAV INTERNATIONAL 2020-06-28

The job interview is probably the most important step you will take in your job search journey. Because it's

always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains ... questions and answer for job interview and as a BONUS ... links to video movies and web addresses torecruitment companies where you may apply for a job. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Professor Povey's Perplexing Problems - Thomas Povey 2015

The Ultimate Oxbridge Interview Guide - Rohan Agarwal 2015-03-29

How many grains of sand are there in the world? Why is DNA like sheet music? Can you hear silence?" These are examples of Real Questions that were asked in the 2014 Oxbridge interviews. Stumped? You don't need to be! Published by the UK's Leading University Admissions Company, the Ultimate Oxbridge Interview Guide contains over 900 Oxbridge Interview Questions that have been asked over the last 5 years for 18 Subjects. Written for 2016 Entry, it provides Fully Worked Model Answers for over 200 of these and guides you through the topics and problems that each one raises. With contributions and advice from over 40 Specialist Oxbridge Tutors, this is your Ultimate companion to the Oxbridge Interview and a MUST-BUY for those who have an upcoming interview at Oxford or Cambridge. Subjects Included: Medicine, Biology, Psychology, Chemistry, Material Science, Earth Science, Physics, Engineering, Maths, Economics (& Management), English, History, Geography, PPE (Philosophy, Politics, Economics), HSPS (Human, Social and Political Science), Classics, Law, Modern languages (French, German, Spanish, Italian, Portuguese) For more Oxbridge interview & resources, check out www.uniadmissions.co.uk

The Oxford Handbook of Hoarding and Acquiring - Randy O. Frost 2014

Hoarding involves the acquisition of and inability to discard large numbers of possessions that clutter the living area of the person collecting them. It becomes a disorder when the behavior causes significant distress or interferes with functioning. Hoarding can interfere with activities of daily living (such as being able to sit in chairs or sleep in a bed), work efficiency, family relationships, as well as health and safety. Hoarding behavior can range from mild to life-threatening. Epidemiological findings suggest that hoarding occurs in 2-6% of the adult population, making it two to three times more common than obsessive-compulsive disorder. The fifth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) now includes Hoarding Disorder as a distinct disorder within the OCD and Related Anxiety Disorders section, creating a demand for information about it. The Oxford Handbook of Hoarding and Acquiring is the first volume to detail the empirical research on hoarding. Including contributions from all of the leading researchers in the field, this comprehensive volume is divided into four sections in addition to introductory and concluding chapters by the editors: Phenomenology, Epidemiology, and Diagnosis; Etiology; Assessment and Intervention; and Hoarding in Special Populations. The summaries of research and clinical interventions contained here clarify the emotional and behavioral features, diagnostic challenges, and nature of the treatment interventions for this new disorder. This handbook will be a critical resource for both practitioners and researchers, including psychiatrists, psychologists, neurologists, epidemiologists, social workers, occupational therapists, and other health and mental health professionals who encounter clients with hoarding problems in their practice and research.

Complete Oxford PAT Guide - Vir Publishers 2018-09-03

Part II of the guide aims to provide extra questions for both the PAT and Interview since practise is key to succeeding in these areas. 20 PAT maths questions, 20 PAT physics questions and 20 Interview questions have been specifically written, ranging from standard to challenging in difficulty. Additional resources have also been provided as well as where to find solutions to PAT past papers. A complete guide to master the University of Oxford Physics Aptitude Test, including detailed notes, questions, an interview guide and more, split into two parts. This guide is a must have for anyone applying for Physics, Engineering Science or Material Sciences at Oxford. Written by experienced students and tutors to provide an in depth guide for all elements of the application process. Written for the latest version for the PAT as of 2018.

Job Interview Questions and Answers for Hiring on Offshore Drilling Rigs - Petrogav International 2020-01-08

The book contains 267 questions and answers for job interview for hiring on offshore drilling rigs.

Literature and the Rise of the Interview - Rebecca Roach 2019-01-29

Today interviews proliferate everywhere: in newspapers, on television, and in anthologies; as a method they are a major tool of medicine, the law, the social sciences, oral history projects, and journalism; and in the book trade interviews with authors are a major promotional device. We live in an 'interview society'. How did this happen? What is it about the interview form that we find so appealing and horrifying? Are we all just gossips or is there something more to it? What are the implications of our reliance on this bizarre dynamic for publicity, subjectivity, and democracy? *Literature and the Rise of the Interview* addresses these questions from the perspective of literary culture. The book traces the ways in which the interview form has been conceived and deployed by writers, and interviewing has been understood as a literary-critical practice. It excavates what we might call a 'poetics' of the interview form and practice. In so doing it covers 150 years and four continents. It includes a diverse rostrum of well-known writers, such as Henry James, T. S. Eliot, Ezra Pound, Djuna Barnes, William Burroughs, Philip Roth, J. M. Coetzee and Toni Morrison, while reintroducing some individuals that history has forgotten, such as Betty Ross, 'Queen of Interviewers', and Julian Hawthorne, Nathaniel's profligate son. Together these stories expose the interview's position in the literary imagination and consider what this might tell us about conceptions of literature, authorship, and reading communities in modernity.

So You Want to Go to Oxbridge? - Oxbridge Applications 2014-07

Now in its fifth edition with new and revised content, *So you want to go to Oxbridge* is the compendium of applying to Oxford and Cambridge, packed full of over eleven years' research on how to excel in the increasingly competitive Oxbridge application process.

Using Think-Aloud Interviews and Cognitive Labs in Educational Research - Jacqueline P. Leighton 2017-01-17

The field of education is rife with calls to action and for research to improve higher-level thinking and learning outcomes in primary, secondary, and tertiary education. With the No Child Left Behind Act and even more recently the Every Student Succeeds Act, policymakers are acknowledging the need for accountability and for an education system that works for everyone. Thankfully, psychologists and educators are coming together to share best methods for how to design better learning environments, assessments and tests, but are also probing learners for how they process the content material with which they are faced. Jacqueline P. Leighton's *Using Think-Aloud Interviews and Cognitive Labs in Educational Research* provides the first volume focused on distinguishing related - but specific - methods for probing these distinct forms of student cognition. Unlike volumes focused on interview techniques for questionnaire design and analysis, this book builds on the seminal 1993 work of psychologists K. Anders Ericsson and Herbert A. Simon for using think-aloud and protocol analysis to generate evidence of student problem solving in education, while also distinguishing this work from cognitive interviews used to generate evidence of human understanding comprehension within the educational and psychological settings. Here, Leighton not only presents the theoretical basis for the two interview and analytical techniques, but also advances how to use cognitive models in the planning of interviews, collecting data, training those who work with this data, and generating evidence for claims about higher-level thinking and learning. *Using Think-Aloud Interviews and Cognitive Labs in Educational Research* includes sample instructions, cautions, and schematic visuals to help readers identify these distinct procedures, while also integrating the work with established standards such as the 2014 Standards for Educational and Psychological Testing published by the American Educational Research Association, the National Council on Measurement in Education, and the American Psychological Association.

The Oxbridge Interview Book - Thomas Povey 2014-11

In *The Oxbridge Interview Book*, Thomas Povey shares 109 of his favourite problems in the mathematical sciences, guiding us through the wonderful, fascinating and quirky questions that have become synonymous with the Oxbridge interview. Whether you are an aspiring scientist or an old-hand, you can now pit yourself against these uncompromisingly challenging problems, developed--in time honoured tradition--to test an interviewee's ability to think. Detailed answers are provided, with a refreshing blend of scientific history, application and personal anecdote. In this delightful and idiosyncratic romp through pre-university maths and physics, the author shows us that behind every single one of these questions lies a new way of thinking about subjects we felt we had understood. He argues that engaging with the unfamiliar is key to forming

deeper insights and developing intellectual independence. *The Oxbridge Interview Book* is a manifesto that science should be playful, and that we should celebrate the curious.

The Consultant Interview - Sara Louise Watkin 2012

Covering the whole preparation process for your consultant interview, this is the only book you will need to succeed. This book presents a medically focused guide on how to prepare for the interview, how to behave in the interview and finally how to put oneself in the best possible position to be appointed in a consultant job.

A Unified Grand Tour of Theoretical Physics, Third Edition - Ian D. Lawrie 2012-11-27

A Unified Grand Tour of Theoretical Physics invites its readers to a guided exploration of the theoretical ideas that shape our contemporary understanding of the physical world at the fundamental level. Its central themes, comprising space-time geometry and the general relativistic account of gravity, quantum field theory and the gauge theories of fundamental forces, and statistical mechanics and the theory of phase transitions, are developed in explicit mathematical detail, with an emphasis on conceptual understanding. Straightforward treatments of the standard models of particle physics and cosmology are supplemented with introductory accounts of more speculative theories, including supersymmetry and string theory. This third edition of the Tour includes a new chapter on quantum gravity, focusing on the approach known as Loop Quantum Gravity, while new sections provide extended discussions of topics that have become prominent in recent years, such as the Higgs boson, massive neutrinos, cosmological perturbations, dark energy and matter, and the thermodynamics of black holes. Designed for those in search of a solid grasp of the inner workings of these theories, but who prefer to avoid a full-scale assault on the research literature, the Tour assumes as its point of departure a familiarity with basic undergraduate-level physics, and emphasizes the interconnections between aspects of physics that are more often treated in isolation. The companion website at www.unifiedgrandtours.org provides further resources, including a comprehensive manual of solutions to the end-of-chapter exercises.

The SAGE Handbook of Interview Research - Jaber F. Gubrium 2012-02-14

The complete handbook on interviewing, the Second Edition deals with conceptual and methodological challenges to interviewing, in addition to the nuts and bolts of the interview process.

Studying Organizations Using Critical Realism - Paul K. Edwards 2014

The book provides a practical guide to the application of Critical Realism (CR), an increasingly popular philosophy of social science, in empirical research projects. Each purpose-written chapter reviews major social science research methods and contains extended illustration of how to conduct inquiry using CR.

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The Oxford Handbook of Philosophy and Psychiatry - KWM Fulford 2013-07-04

Philosophy has much to offer psychiatry, not least regarding ethical issues, but also issues regarding the mind, identity, values, and volition. This has become only more important as we have witnessed the growth and power of the pharmaceutical industry, accompanied by developments in the neurosciences. However, too few practising psychiatrists are familiar with the literature in this area. *The Oxford Handbook of Philosophy and Psychiatry* offers the most comprehensive reference resource for this area ever published. It assembles challenging and insightful contributions from key philosophers and others to the interactive fields of philosophy and psychiatry. Each contribution is original, stimulating, thorough, and clearly and engagingly written - with no potentially significant philosophical stone left unturned. Broad in scope, the book includes coverage of several areas of philosophy, including philosophy of mind, science, and ethics. For philosophers and psychiatrists, *The Oxford Handbook of Philosophy and Psychiatry* is a landmark publication in the field - one that will be of value to both students and researchers in this rapidly growing area.

Advanced Problems in Mathematics: Preparing for University - Stephen Siklos 2016-01-25

This book is intended to help candidates prepare for entrance examinations in mathematics and scientific subjects, including STEP (Sixth Term Examination Paper). STEP is an examination used by Cambridge colleges as the basis for conditional offers. They are also used by Warwick University, and many other mathematics departments recommend that their applicants practice on the past papers even if they do not take the examination. Advanced Problems in Mathematics is recommended as preparation for any undergraduate mathematics course, even for students who do not plan to take the Sixth Term Examination Paper. The questions analysed in this book are all based on recent STEP questions selected to address the syllabus for Papers I and II, which is the A-level core (i.e. C1 to C4) with a few additions. Each question is followed by a comment and a full solution. The comments direct the reader's attention to key points and put the question in its true mathematical context. The solutions point students to the methodology required to address advanced mathematical problems critically and independently. This book is a must read for any student wishing to apply to scientific subjects at university level and for anybody interested in advanced mathematics.

The Oxford PAT Guide - R. S 2021-07-24

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How to Get Into Oxbridge - Christopher See 2012-05-03

With competition to get into Oxbridge now so fierce, this book goes beyond standard application technique to focus on long-term development of intellectual potential including insight into the power of positive decision-making; how to practise independent and critical thinking skills; and how you can develop extra-curricular knowledge in genuine and impressive ways to stand out from the crowd. The book includes practical and insider knowledge that can't be found elsewhere - like how to strategically choose your college to boost your chances of admission, and how to interpret and respond to interview questions in a way that demonstrates your intellectual curiosity and academic potential. You'll find sample personal statements; examples of interview questions for all subjects; practical advice on fees and funding; and how to manage parents and peers. There is also a chapter dedicated to International Students.

What Engineers Know and how They Know it - Walter Guido Vincenti 1990

"The biggest contribution of Vincenti's splendidly crafted book may well be that it offers us a believably human image of the engineer."--Technology Review. Johns Hopkins Studies in the History of Technology. Merritt Roe Smith, Series Editor.

Complete Oxford PAT Guide - Vir Publishers 2018-09-08

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Job interview questions and answers for employment on Offshore Drilling Rigs - Petrogav International Oil & Gas Training Center 2020-06-28

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 271 questions and answers for job interview and as a BONUS 282 links to video movies and 205 web addresses to recruitment companies where you may apply for a job. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Qualitative Interviewing - Svend Brinkmann 2013-05-30

Qualitative interviewing has today become one of the most common research methods across the human and social sciences, but it is an approach that comes in different guises. Qualitative Interviewing will help its readers write, represent, understand, and critique qualitative interview research in its many forms as currently practiced. The book begins with a theoretically informed introduction to qualitative interviewing by presenting a variegated landscape of how conversations have been used for knowledge-producing purposes. Particular attention is paid to the complementary positions of experience-focused interviewing (phenomenological positions) and language-focused interviewing (discourse-oriented positions), which focus on interview talk as reports (of the experiences of interviewees) and accounts (occasioned by the situation of interviewing), respectively. The following chapters address various ways of designing qualitative interview studies and a guide to writing up the methodological procedures and results of an interview study. The book concludes with a presentation of the most common errors in interview reports, offering a range of solutions and strategies for evaluating research findings based on qualitative interviews.

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Job Interview Questions and Answers for Hiring on Onshore Drilling Rigs - Petrogav International 2020-01-08

The book contains 256 questions and answers for job interview for hiring on onshore drilling rigs.

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Conversations on Quantum Gravity - Jácome (Jay) Armas 2021-08-26

The holy grail of theoretical physics is to find the theory of everything that combines all the forces of nature, including gravity. This book addresses the question: how far are we from such discovery? Over the last few

decades, multiple roads to finding a quantum theory of gravity have been proposed but no obvious description of nature has emerged in this domain. What is to be made of this situation? This volume probes the state-of-the art in this daunting quest of theoretical physics by collecting critical interviews with nearly

forty leading theorists in this field. These broad-ranging conversations give important insights and candid opinions on the various approaches to quantum gravity, including string theory, loop quantum gravity, causal set theory and asymptotic safety. This unique, readable overview provides a gateway into cutting edge research for students and others who wish to engage with the open problem of quantum gravity.