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| Titolo | Turbulence Modeling and Vortex Dynamics [[electronic resource]] : Proceedings of a Workshop Held at Istanbul, Turkey, 2–6 September 1996 / / edited by Olus Boratav, Alp Eden, Ayse Erzan |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997 |
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| Soggetti | Physics Fluids Thermodynamics Observations, Astronomical Astronomy—Observations Astrophysics Mathematical Methods in Physics Numerical and Computational Physics, Simulation Fluid- and Aerodynamics Astronomy, Observations and Techniques Astrophysics and Astroparticles |
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| Nota di contenuto | Hydrodynamic turbulence: a 19th century problem with a challenge for the 21st century -- Exponents of bulk heat transfer in convective turbulence -- Hierarchical structures and scalings in turbulence -- Intermittency of passive scalars in delta-correlated flow: Introduction to recent work -- A minimal model for intermittency of passive scalars -- Generalized scaling in turbulent flows -- About the interaction between vorticity and stretching in coherent structures -- Pressure and intermittency in the inertial range of turbulence -- Time-periodic statistical solutions of the Navier-Stokes equations -- Local exact controllability for the 2-D Navier-Stokes equations with the Navier slip boundary conditions -- Nonexistence of global solutions to nonlinear |

wave equations -- Applications of direct numerical simulation to complex turbulent flows -- Computational aspects of three-dimensional Vortex Element Methods: Applications with vortex rings -- Boundary-layer turbulence modeling and vorticity dynamics: I. A kangaroo-process mixing model of boundary-layer turbulence -- Boundary-layer turbulence modeling and vorticity dynamics: II. Towards a theory of turbulent shear flow?.

Sommario/riassunto

This volume collects contributions to the workshop on "Turbulence Modeling and Vortex Dynamics, Istanbul", where engineers, physicists, and mathematicians discussed the statistical description of turbulence. They cover practical aspects as well as rigorous mathematics. This book will be a source of reference for many years for those working in this most fascinating field of scientific modeling.

2. Record Nr.

Titolo

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Rethinking economic growth [[electronic resource]] : towards productive and inclusive Arab societies

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Soggetti

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Nota di contenuto

Cover; Title page; Copyright; Contents; List of figures; List of tables; List of text boxes; Foreword; Background papers; Acronyms; List of definitions; OVERVIEW Summary of findings and policy directions; Introduction; The labour demand side:binding macroeconomic policy constraints; The supply side: more education but low labour force

participation; The labour market inaction: mixed results across the region; Quality of employment, poverty, inequality and social protection; Prospects; General policy directions; 1. Macroeconomic policy coherence aimed at economic growth and shared benefits 2. Promotion of participatory and inclusive social dialogue 3. Expansion of coverage and increased effectiveness of social protection; Specific policies; 4. Improved migration management; 5. Well-designed employment policies and active labour market programmes; 6. Increased quality and greater relevance of education and training; 7. Better statistics and effective monitoring and evaluation of policies and programmes; Chapter 1 Output and employment growth; Introduction; Slow growth but fast employment creation; Figure 1.1: Arab countries had low GDP per capita growth in the 1980's and 1990's Figure 1.2: GDP growth in the Arab region accelerated after 2000 but was still slower than other regions Sectoral changes in employment: resilient agriculture and expanding services; Figure 1.3: The employment response to output growth was significant; Figure 1.4: Productivity gains have been small in the Arab region; Figure 1.5: In relation to incomes, employment growth in agriculture is still high in the Arab region; The private sector: still constrained after the reforms; Figure 1.6: Labour reallocation across sectors contributed negatively to productivity growth in the Arab region Figure 1.7: Most employment gains were in the services sector Figure 1.8: Selected indicators for the private sector; Figure 1.9: Investments in manufacturing led to sizeable employment creation; Figure 1.10: Access to land is a major or severe constraint on investment; Table 1.1 Private sector priority constraints from enterprise surveys 2000's; The key role of migration in the region; Table 1.2: Employment growth (number) Jordan, 2000-2009; Social unrest: the ingredients were present; Text box 1.1: From regional economic champion to leader of the political transformation Figure 1.11: Income growth and voice and accountability have been low in the Arab states Text box 1.2: Liberalisation and employment; Post-2010 policies: a strategic approach required; Table 1.3: Country responses to the Arab spring by employment measure, post-2010; Text box 1.3: Labour standards, economic performance and inequality; Concluding remarks; Chapter 2 Population, labour, supply, employment and unemployment; Introduction; Figure 2.1: Population and labour force pressures have declined in the last 20 years; Figure 2.2: Ratio of youth-to-adult population declined continuously... Figure 2.3: Demographic dependency has declined

Sommario/riassunto

This report traces the consequences of the ""Arab Spring"" for labour markets in the wake of a surge in commodity and energy prices; the impacts of a global recession on public revenues; increased uncertainty for investors; a rise in unemployment; and greater demands for social justice. It concludes that economic growth in the next decade hinges on good governance to enable structural and institutional reforms.
