

1. Record Nr.	UNINA9910433256903321
Titolo	Benchmarking of control strategies for wastewater treatment plants // edited by Krist V. Gernaey [and three others]
Pubbl/distr/stampa	London, England : , : IWA Publishing, , 2014 ©2014
ISBN	1-78040-117-5
Descrizione fisica	1 online resource (120 p.)
Collana	Scientific and Technical Report ; ; Number 23
Disciplina	628.1683
Soggetti	Water treatment plants Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	<p>Wastewater treatment plants are large non-linear systems subject to large perturbations in wastewater flow rate, load and composition. Nevertheless these plants have to be operated continuously, meeting stricter and stricter regulations. Many control strategies have been proposed in the literature for improved and more efficient operation of wastewater treatment plants. Unfortunately, their evaluation and comparison - either practical or based on simulation - is difficult. This is partly due to the variability of the influent, to the complexity of the biological and biochemical phenomena and to the large range of time constants (from a few minutes to several days). The lack of standard evaluation criteria is also a tremendous disadvantage. To really enhance the acceptance of innovative control strategies, such an evaluation needs to be based on a rigorous methodology including a simulation model, plant layout, controllers, sensors, performance criteria and test procedures, i.e. a complete benchmarking protocol. This book is a Scientific and Technical Report produced by the IWA Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants. The goal of the Task Group includes developing models and simulation tools that encompass the most typical unit processes within a wastewater treatment system (primary treatment, activated sludge,</p>

sludge treatment, etc.), as well as tools that will enable the evaluation of long-term control strategies and monitoring tasks (i.e. automatic detection of sensor and process faults). Work on these extensions has been carried out by the Task Group during the past five years, and the main results are summarized in Benchmarking of Control Strategies for Wastewater Treatment Plants. Besides a description of the final version of the already well-known Benchmark Simulation Model no. 1 (BSM1), the book includes the Benchmark Simulation Model no. 1 Long-Term (BSM1_LT) - with focus on benchmarking of process monitoring tasks - and the plant-wide Benchmark Simulation Model no. 2 (BSM2).

2. Record Nr.

Titolo

Pubbl/distr/stampa

ISBN

Descrizione fisica

Altri autori (Persone)

Disciplina

Soggetti

Lingua di pubblicazione

Formato

Livello bibliografico

Note generali

Nota di bibliografia

Nota di contenuto

UNINA9910779859803321

Contemporary populism [[electronic resource]] : a controversial concept and its diverse forms / / edited by Sergiu Gherghina, Sergiu Miscoiu and Sorina Soare

Newcastle, Neb., : Cambridge Scholars Pub., c2013

1-4438-4997-9

1 online resource (382 p.)

GherghinaSergiu

MiscoiuSergiu

SoareSorina

324.213

Populism

Inglese

Materiale a stampa

Monografia

Description based upon print version of record.

Includes bibliographical references at the end of each chapters.

CONTENTS; CONTRIBUTORS; ACKNOWLEDGMENTS; INTRODUCTION; PART I; FROM POPULISM TO NEO-POPULISM?; THE "COMMON IDIOT" OF POPULISM; THE IDEOLOGICAL COMPONENTS OF POPULISM; FOUNDATIONAL POPULISM; POPULISM AND POLITICAL SCIENCE; PART II; A LATIN-AMERICAN POLEMIC; POPULISM AND DEMOCRACY IN AFRICA; THE FACETS AND OFFSHOOOTS OF POPULISM IN SUB-SAHARAN AFRICA; REDNECKS AND WATERMELONS; IN THE NAME OF THE PEOPLE!; ITALY; NEO-POPULISM IN THE POST-COMMUNIST ZODIAC; OLD AND NEW POPULISM IN RUSSIAN POLITICS

The fundamental question uniting the contributions to this volume is: what exactly is populism? This is certainly not a new question, as a large amount of literature has focused on this topic for more than half a century. As little conceptual consensus has been reached so far, this book aims to reduce the level of abstraction. To this end, it approaches the populist phenomenon from a broader theoretical and empirical perspective, making reference to its developments on several continents. The book is divided into two parts: the first is theoretical and discusses various perspectives on populism.
