Contents

ARCHITECTURE AND URBAN PLANNING
Marcin Brzezicki
Glass protected timber façades – new sustainable façade typology5
Małgorzata Hryniewicz
Cartography and landscape painting of the 17th and 18th centuries as iconographic sources 23
Oleg Sleptsov, Margaryta Yakovenko
Role of the Department of Architecture Fundamentals and Architectural Design of Kyiv
National University of Construction and Architecture in shaping the Kyiv architectural
school33
Ewa Węcławowicz-Gyurkovich
Intense colours in the latest works of architecture
CHEMISTRY
Anna Rybak, Dawid Jankowski
The hydrodynamics of a fluidised bed reactor55
CIVIL ENGINEERING
Adrian Chajec, Kamil Krzywiński, Łukasz Sadowski, Krzysztof Ostrowski
The influence of polypropylene fibres on the properties of fresh and hardened concrete71
MECHANICS
Waldemar Małopolski
A method for the automatic creation of bidirectional transportation paths for AGVs
in Delmia QUEST83