

76) Proceedings of SPIE - The International Society for Optical Engineering

Volume 11176, 2019, Номер статьи 1117625

Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2019; Wilga; Poland; 26 May 2019 до 2 June 2019; Код 154662

Information technology for evaluation of innovation indicators influence and investment activity on competitiveness of the region(Conference Paper)

Savina, N.B.a, Romanko, O.b, Gromaszek, K.c, Smailova, S.d

aNational University of Water and Environmental Engineering, 11 Soborna St., Rivne city, 33028, Ukraine

bIvano-Frankivsk National Technical, University of Oil and Gas, Vulytsya Karpatska 15, Ivano-Frankivsk, 76000, Ukraine

cLublin Univesrity of Technology, ul. Nadbystrzycka 38A, Lublin, 20-618, Poland

Просмотр дополнительных организаций

Краткое описание Просмотр пристатейных ссылок (17)

In this article, for the first time, economic and statistical methods are used to study the interaction of innovation and investment activity and competitiveness at the regional level. The Granger test and the correlation and regression analysis are applied for the comprehensive study of individual and joint impact upon the region's competitiveness and its innovation and investment activity. The Granger test provides an opportunity to identify cause-effect relationships between the indicators of innovation and investment activity in the region. Accordingly, pairs of indicators of innovation and investment regional activity are identified and grouped together in accordance with the presence of connection, strength and direction of impact. © 2019 SPIE.