

Research Article Deep Learning for Plastic Waste Classification System Janusz Bobulski and Mariusz Kubanek Czestochowa University of Technology, Department of Computer Science, Cze stochowa, Poland Correspondence should be addressed to Janusz Bobulski; januszb@icis.pcz.pl Received 21 October 2020; Revised 24 March 2021; Accepted 26 April 2021; Published 5 May 2021 Academic Editor: Miin-Shen Yang Copyright (C) 2021 Janusz Bobulski and Mariusz Kubanek. We proposed a technique that can apply in portable devices for waste recognizing which would be helpful in solving urban waste problems. The main problem considered in this article is creating an automatic plastic waste segregation method, which can separate garbage into four mentioned categories, PS, PP, PE-HD, and PET, and could be applicable on a sorting plant or home by citizens. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. One of the opportunities is the use of deep learning and convolutional neural network.