Smart Bin - An Odor Oriented Approach

Ivan Naumovski
inau@itu.dk

Martino Secchi
msec@itu.dk

ABSTRACT

Author Keywords
Guides; instructions; author's kit; conference publications; keywords should be separated by a semi-colon.

ACM Classification Keywords
H.5.m. Information Interfaces and Presentation (e.g. HCI): Miscellaneous

General Terms
Human Factors; Design; Measurement. If you choose more than one ACM General Term, separate the terms with a semi-colon.

See list of the limited ACM 16 terms in the instructions and additional information: `http://www.sheridanprinting. com/sigchi/generalterms.htm.`

INTRODUCTION

RELATED WORK

This is not the first paper about Smart Waste Management Systems (WMS). Other researches explored interesting IoT approaches to the problem, mostly in relation to planning garbage collection and / or waste reduction. ...many, pick one or two... like in Australia, France implemented an RFID and weight based approach for a real time automated WMS, with the main focus on bringing down management costs and facilitate automating waste identification. citation to korean guys in another study used a similar approach to identify food waste in a selected area of Seul, South Korea. cite catania In another study, Vincenzo Catania and his colleagues used a Smart-M3 Platform and sensor enhanced bins in Catania, Italy with the main focus on urban planning, smart collection and monitoring of urban solid waste. In this case, the information that was collected was on the location of the trash can, level of fullness, and weight of the waste.