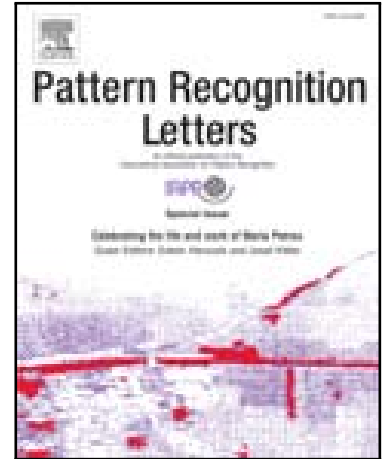


Accepted Manuscript

Learning Robot Tasks with Loops from Experiences to Enhance Robot Adaptability

Vahid Mokhtari, Luís Seabra Lopes, Armando J. Pinho

PII: S0167-8655(17)30199-X
DOI: [10.1016/j.patrec.2017.06.003](https://doi.org/10.1016/j.patrec.2017.06.003)
Reference: PATREC 6842



To appear in: *Pattern Recognition Letters*

Received date: 20 October 2016
Revised date: 27 April 2017
Accepted date: 8 June 2017

Please cite this article as: Vahid Mokhtari, Luís Seabra Lopes, Armando J. Pinho, Learning Robot Tasks with Loops from Experiences to Enhance Robot Adaptability, *Pattern Recognition Letters* (2017), doi: [10.1016/j.patrec.2017.06.003](https://doi.org/10.1016/j.patrec.2017.06.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Research Highlights (Required)

To create your highlights, please type the highlights against each `\item` command.

It should be short collection of bullet points that convey the core findings of the article. It should include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point.)

- A unified framework of experience-based planning domains (EBPDs)
- A one-shot learning technique for robot task learning based on robot's experiences
- A method to detect repetition of actions in a task demonstration
- A method to adapt and extend a task knowledge to new contexts
-

Download English Version:

<https://daneshyari.com/en/article/6940844>

Download Persian Version:

<https://daneshyari.com/article/6940844>

[Daneshyari.com](https://daneshyari.com)