HAL
open science

# Augmented collar for assistance dog

Germain Lemasson, Philippe Lucidarme, Sylvie Pesty, Dominique Duhaut

## To cite this version:

Germain Lemasson, Philippe Lucidarme, Sylvie Pesty, Dominique Duhaut. Augmented collar for assistance dog. 2014. hal-01117269v2

**HAL Id: hal-01117269**

**https://hal.science/hal-01117269v2**

Preprint submitted on 15 Apr 2015

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

# Augmented collar for assistance dog

**Germain Lemasson**
University of South-Brittany
UMR 6285 - Lab-STICC
Lorient, France
germain.lemasson@univ-ubs.fr
**Philippe Lucidarme**
LARIS / ISTIA
62 avenue Notre Dame du Lac
Angers, France
philippe.lucidarme@univ-angers.fr
**Sylvie Pesty**
UMR 5217 - LIG
110 avenue de la Chimie
Saint-Martin-d'Hres, France
Sylvie.Pesty@imag.fr
**Dominique Duhaut**
University of South-Brittany
UMR 6285 - Lab-STICC
Lorient, France
dominique.duhaut@univ-ubs.fr

## Abstract
In this paper we present briefly our reflexion on how to communicate with a dog using embedded devices. We also present the prototype collar we made in order to improve the communication between an assistance dog and his disabled master.

## Author Keywords
Dog, Canine Augmented technologies, Embedded

## ACM Classification Keywords
H.5.m [Information interfaces and presentation (e.g., HCI)]: Miscellaneous.