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# TiNA News

The TINA Newsletter

Volume Promotional/OSMIA, September 2002

[<http://www.tina-vision.net>]

## Editorial

### Special Promotional Issue

by *Core Development Team*

Welcome to this (brief) promotional issue of the TINA newsletter which has been especially written for circulation at machine vision and medical imaging events. Development of the TINA environment has recently received significant support from the EU as part of the IST programme under the Free Software: Towards Critical Mass call.

This project, known as OSMIA [ <http://www.tina-vision.net/projects/osmia.php>], aims to improve the uptake of medical image analysis techniques by providing a high quality open source environment for research. The work on this project is being done in collaboration with Voxar Ltd, Dublin City University and University of Western Ontario.

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## What is TINA?

### Image analysis for the masses

by *Tony Lacey*

TINA (TINA Is No Acronym) is an open source environment developed to accelerate the process of image analysis research. Fundamentally TINA is a set of programming libraries written completely in ANSI C. These provide functionality to assist in all areas of image analysis including; handling of data types including images, features, geometric primitives, vectors, etc; extraction of image features such as lines and corners; statistical and numerical analysis of data; the transmission and containment of arbitrary data and GUI development.

TINA also provides a range of high-level anal-

ysis techniques for both machine vision and medical image analysis. These include techniques for; depth from stereo and temporal-stereo; 3D model based object location; 2D object recognition within a learning framework; semi-automated scene segmentation; multispectral tissue segmentation; blood flow analysis; partial volume estimation ... plus many other **toolkits**.

For further information on TINA please visit the website at <http://www.tina-vision.net> or contact the core development team at [contact@tina-vision.net](mailto:contact@tina-vision.net).

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