



# ECCV 2014 Workshop on Computer Vision Problems in Plant Phenotyping (CVPPP 2014) September 12, 2014, Zurich, Switzerland Call For Papers

The goal of this workshop is to showcase computer vision challenges in plant phenotyping. Plant phenotyping is the identification of effects on the phenotype (ie., the plant appearance and behavior) as a result of genotype differences (ie., differences in the genetic code) and the environmental conditions a plant has been exposed to. Knowing the plant phenotypes is a key ingredient for knowledge-based bioeconomy and this, not only literally helps in the efforts to feed the world, but is also essential for feed, fibre and fuel production. We want to identify key but unsolved problems, expose the current state-of-the-art, and broaden the field and the community.

## Specific topics of interest include, but are not limited to, the following:

- image data sets defining plant phenotyping challenges, complete with annotations if appropriate, accompanied with benchmark methods if possible, and suitable evaluation methods
- advances in segmentation, tracking, detection and identification methods that address unsolved plant phenotyping scenarios
- open source implementation, comparison and discussion of existing methods

Associated with the workshop is the "**Plant Leaf Segmentation Challenge**":

<http://www.plant-phenotyping.org/CVPPP2014-challenge>

We are looking forward to inspiring leaf segmentation solutions for plant phenotyping images!

<b>Submission due:</b>	June 15 (Sunday)
<b>Notification of acceptance:</b>	July 15 (Tuesday)
<b>Camera-ready:</b>	July 25 (Friday)
<b>Workshop date:</b>	September 12

Further information about the workshop, author instructions, submission guidelines, and the challenge are available at: <http://www.plant-phenotyping.org/CVPPP2014>

## Workshop Organizers:

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- Sotirios Tsafaris (IMT Lucca, Italy and Northwestern University, USA), [s.tsafaris@imtlucca.it](mailto:s.tsafaris@imtlucca.it)

## Program Committee:

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