报告信息模板

**报告嘉宾：** [程明明](http://mmcheng.net/)**（南开大学）**

**报告题目：**图像场景的高效分析的算法与应用 [[Slides](http://mmcheng.net/mftp/Data/EfficientImageSceneAnalysis.pptx)]

**文章信息：**

1. BING: Binarized Normed Gradients for Objectness Estimation at 300fps. Ming-Ming Cheng, Ziming Zhang, Wen-Yan Lin, Philip Torr, IEEE CVPR, 2014. [[Project page](http://mmcheng.net/bing/)][[pdf](http://mmcheng.net/mftp/Papers/ObjectnessBING.pdf)][[bib](http://mmcheng.net/mftp/Papers/Objness.txt)][[C++](http://mmcheng.net/code-data/)][[Latex](http://mmcheng.net/mftp/Papers/Cvpr2014ObjectnessBingLatexReviewRebuttal.zip)][[PPT](http://mmcheng.net/mftp/Papers/ObjectnessBING.pptx), 12 min] [[Seminar](http://mmcheng.net/mftp/Data/EfficientImageSceneAnalysis.pptx), 50 min] [[Poster](http://mmcheng.net/mftp/Papers/BingPoster.pdf)] [[Spotlight](http://mmcheng.net/mftp/Data/SpotlightsBING.pptx)]
2. Global Contrast based Salient Region Detection. Ming-Ming Cheng, Niloy J. Mitra, Xiaolei Huang, Philip H. S. Torr, Shi-Min Hu. IEEE **TPAMI**, 2015. [[项目主页](http://mmcheng.net/SalObj/)] [[C++](http://mmcheng.net/zh/code-data/)]
3. ImageSpirit: Verbal Guided Image Parsing, Ming-Ming Cheng, Shuai Zheng, Wen-Yan Lin, Vibhav Vineet, Paul Sturgess, Nigel Crook, Niloy Mitra, Philip Torr, ACM **TOG**, 2014. [[pdf](http://mmcheng.net/mftp/Papers/ImageSpiritSig.pdf)] [[项目主页](http://mmcheng.net/imagespirit/)]

**报告摘要：**Images remain one of the most popular and ubiquitous media for capturing and documenting the world around us. Developing efficient algorithms for understanding such images is of great importance for many applications in computer vision and computer graphics. In this report, I will present three algorithms for efficient image scene understanding as well as their applications, including automatic estimation of salient object regions across images, training a generic objectness measure to produce a small set of candidate object windows, and verbal guided image parsing.

**报告人简介：**程明明博士现为南开大学计算机与控制工程学院副教授、博导、南开大学百名青年学科带头人。他曾于2007年在西安电子科技大学获得学士学位，之后免试推荐进入清华大学，师从胡事民教授从事计算机图形学研究，并于2012年获得博士学位。之后他前往英国牛津，在Philip Torr教授的计算机视觉研究组任研究员(Research Fellow)。他的主要研究兴趣包括：计算机图形学、计算机视觉、图像处理等，已在IEEE TPAMI、 ACM TOG、 ACM SIGGRAPH、 IEEE CVPR、 IEEE ICCV等计算机图形学和计算机视觉领域顶级国际期刊及会议发表十多篇论文。相关研究成果受到国内外同行的广泛认可，曾获得Google PhD fellowship, IBM PhD fellowship, 和 教育部博士研究生学术新人奖，论文他引2000+次，一作论文单篇最高他引800+次。其研究工作曾被英国《每日电讯报》，德国《明镜周刊》等权威国际媒体专门报道。