



Digital
MASTER SCHOOL



Digital Media Technology

EIT Digital Master Program

Media Processing and Communications

Media Processing and Communications

- **Why Media Processing and Communications?**
- Where visual computing meets telecommunication
- Communication-constrained visual data processing
- High societal impact
- Many business opportunities
 - Media analysis
 - Mobile media
 - Entertainment



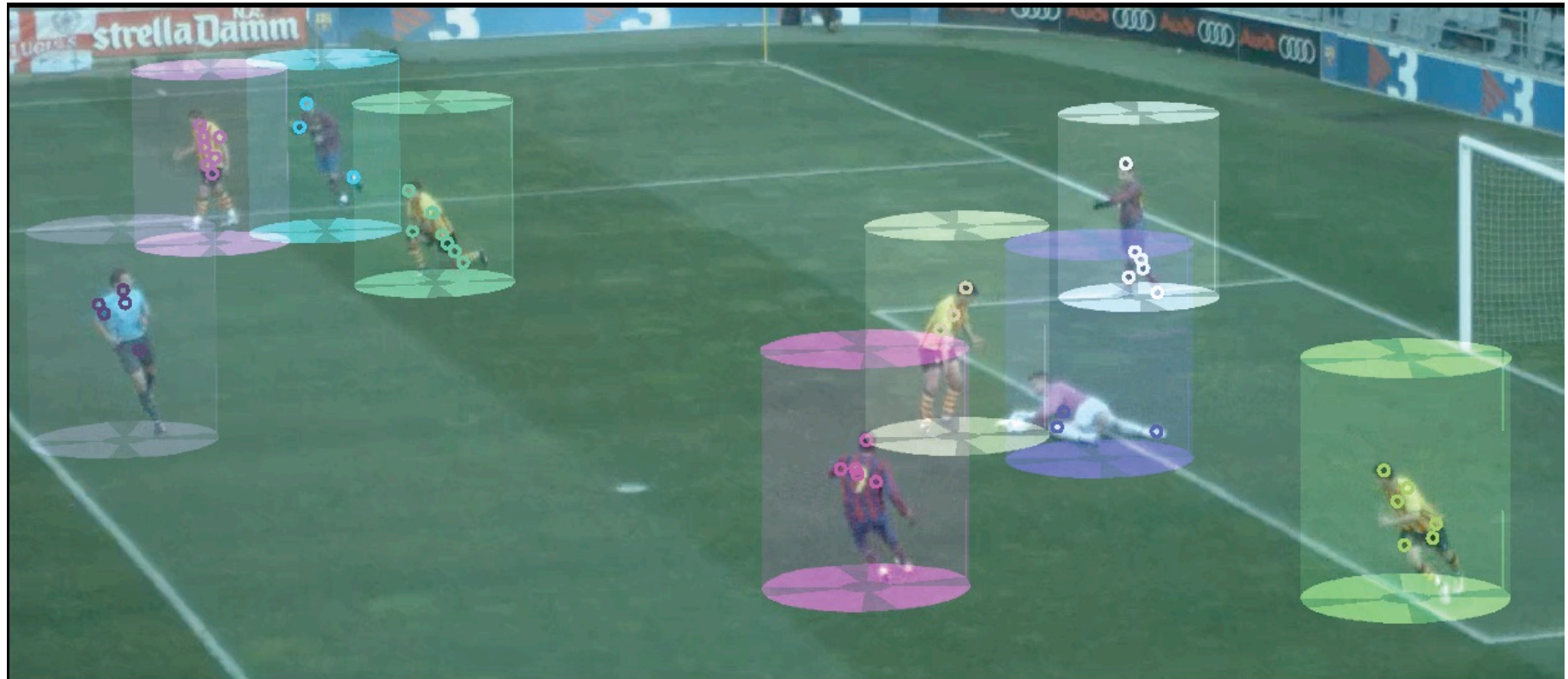


Digital
MASTER SCHOOL

Examples

Free-Viewpoint Experience

- Free-viewpoint experience of sport events

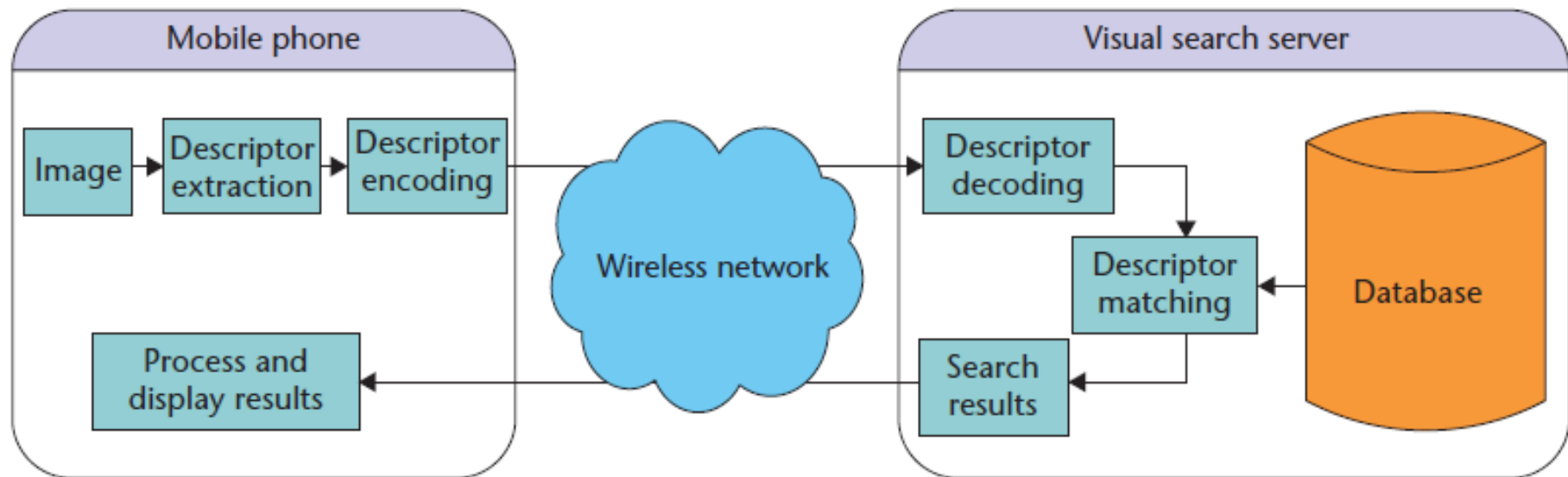


- Augmented reality



Mobile Visual Search

- Search based on visual appearance



Mobile Visual Search

- Search based on 3d geometry



[Stockholm Buildings Database]



<http://people.kth.se/~haopeng/M3DVS/index.html>





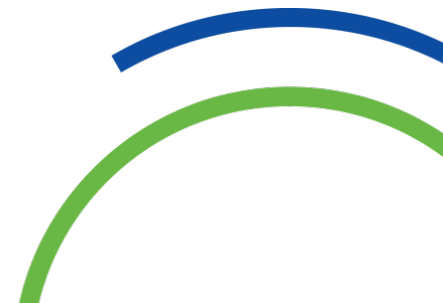
Digital
MASTER SCHOOL

Final Degree Projects

Some Internship Opportunities



MANOMOTION



Some Master Thesis Projects

- Efficient features for movie recommendation systems (*VionLabs*)
- A document recommender based on word embedding (*Meltwater*)
- Machine learning for text-independent speaker verification (*Ericsson*)
- Integral video coding (*Ericsson*)
- Implementation and evaluation of an augmented reality teleoperation system (*Ericsson*)
- Hand segmentation from RGB images in uncontrolled indoor scenarios using randomized decision forests (*ManoMotion*)





Digital
MASTER SCHOOL

eitdigital.eu

Digital Media Technology

<http://people.kth.se/~mflierl/dmt/>