



Applications Working Group

Opening Session

IVOA Interop, College Park, November 2018

Chair: Tom Donaldson

Vice-Chair: Raffaele D'Abrusco



Applications Working Group Overview

- Concerned primarily with the software tools that Astronomers use to access VO data and services for doing Astronomy.
- Documents we're responsible for (no changes formally proposed):
 - [SAMP - Simple Application Messaging Protocol](#)
 - [VOTable - VOTable Format Definition](#)
 - [MOC - HEALPix Multi-Order Coverage Map](#)
 - [HiPS - Hierarchical Progressive Survey](#)
- Communication
 - Mail list: apps@ivoa.net
 - Subscribe at <http://mail.ivoa.net/mailman/listinfo/apps>
 - Slack channel: [#applications](https://ivoa.slack.com)



Apps Roadmap

- Python
 - Engage with Astropy community
- VOTable Standards
 - Work towards [VODML-Mapping](#) consensus.
 - Determine if there are other driving factors for a new VOTable version.
- Authentication
 - Encourage application support for client authentication, working with Grid and Web Services WG to outline the scope and details.
- [HiPS](#)
 - Encourage [HiPS](#) providers to declare their services in the VO registry according to the [HiPS Standard](#) (section 5.3).



Program - Session 1

Registry 1 / Apps 1 (Friday Nov. 9, 11:00-12:30, Salon 1&2): Registry, MOCS, and Python

Speaker	Title	Time	Material
Pierre Fernique	MOC standard 1.1 extension / ASCII MOCs	10' + discussion	
Hendrik Heint for Markus Demleitner	Progress towards a VODataService 1.2 WD	15' + discussion	
Pat Dowler	CADC lightweight OAI registry implementation	15'	
Brian Major	Updates on cadc-tap: an astroquery TAP client	10'	
Hendrik Heint	Recent features implemented in PyVO	10'	
Tom Donaldson	Python Development Discussion	15'	



Program – Session 2

Apps 2 (Friday 16:00-17:30, Salon 1&2)

Speaker	Title	Time	Material
Brian Van Klaveren	Felis: Describing Catalogs in JSON-LD	12' + 3'	
Thomas Boch	On the fly generation of JPEG HiPS tiles	12' + 3'	
Matthieu Baumann	New Python and Javascript developments at CDS to query the MOCServer for quickly retrieving data collections of interest	12' + 3'	
Mathieu Servillat	OPUS: an provenance enhanced job controller - A reference implementation for the Provenance DM	12' + 3'	
Laurent Michel	Reading VODML annotations with model-independent Java code	12' + 3'	
Additional Discussion, time permitting		15'	



Have a great meeting!
