

# Applications Working Group Opening session

action Aladin associated Author based CTA  
**data** dataset describe  
developments different discuss dmttype draw either  
feature gamma-ray General give **HEALPix** Indexing  
integration issue IVOA java large manage MOC  
models Obscore observatory origin possibly  
proposal provide query region SAADA SAMP  
serialization source spectra **tools** Unicode used **user**  
VizieR VO VODML VOTable

Chair: Pierre Fernique  
Vice-chair: Tom Donaldson

IVOA Interop meeting - Banff - October 2014





# Mailing discussion

- Unicode in VOTable issue

=> missing information for properly encoding extending characters (in some cases)

- VODML serialization in VOTable

=> How to do it after Madrid agreement ?

Dmtype ? dmtype+dmrole ? <DMTYPE>+<DMROLE> ?

=> VOTable general discussion during Application session 2 (Sunday morning)



# Applications session 1

Friday oct 10 / 11:00–12:30 (Summit)

- Mark Taylor - *Upload crossmatching from **TOPCAT***
- Gilles Landais - *Indexing **VizieR** associated data with **ObsCore***
- François Bonnarel - ***Aladin ObsTAP** plugin*
- Omar Laurino - *A **Python** implementation of **VODML***
- Chenzhou Cui - ***AstroCloud**, a Whole Lifecycle Management Platform for Astronomical Data Based on Virtual Observatory and **Cloud** Computing*
- Matthieu Servillat - ***VO** diffusion for **CTA***



# Applications session 2

Sunday Oct 12 / 9:00–10:30 (Summit)

- ***VOTable issues & proposals => General Discussion***
  - 1) *Unicode: issue & proposal*
  - 2) *VODML serialization: proposals*
  - 3) *Coordinate specification: state of the art*



# Applications session 3

Sunday Oct 12 / 11:00–12:30 (Summit)

- Laurent Michel - *Querying by **region**: from the drawing to the **SQL** query*
- André Schaaff - ***CMOC**, a **C** library to handle **MOCs***
- Régis Haigron - ***SCubOX**, a Spectral Cube Online **EX**plorer*
- Thomas Boch - *Experimenting dynamic generation of **HiPS** density maps for large data exploration*
- Hugo Buddelmeijer - *Request-based **analysis** of large datasets*
- Petr Skoda - ***VO-Cloud** for Machine Learning*

