

# Synthesis of Lol's

F. Mignard

OCA/Cassiopee

- 162 answers received and validated
  - 29 data processing in general
  - 7 for calibration
  - 10 double and multiple stars
  - 16 photometry
  - 10 planetary systems
  - 13 radial velocity
  - 8 relativity and reference frame
  - 5 science alerts
  - 12 simulations
  - 17 solar system objects
  - 20 source classification
  - 17 variable stars

## *Major Coordinated answers*

- A set from Cambridge to lead the photometric processing
- A combined answer from Cambridge and Geneva for the science alert
- One answers from Geneva coordinating the involvement of ISDC
- One series from ARI to cover the first look, bright stars analysis
- Two coordinated letters from CNES covering support for simulation, major involvement in the data analysis, system architecture
- One global answer from Italy for a quality and validation system
- An international answer coordinated by Meudon for the RVS analysis
- One global answer from the SSWG to carry out the analysis for solar system objects

# Answers for the Variable stars

# Synthesis of answers

- Number of answers
  - Collective : 6
  - Individual : 11 but some may have considered a personal reply unnecessary
- Areas covered
  - Detection of variability
  - Analysis of light curves
  - Period determination
  - Classification
  - Follow-up
  - Science alert
- Areas marginally covered
  - Simulation
  - overall management

## Answers to Lol : collective answers

#	institute	Contact	FTE	Areas of interest	
99	Geneva Obs.	G. Burki		Commitment of Geneva Obs.	
45	Inst. Tech. Lausanne	S. Morgenthaler	1	Statistical modelling, classification	
98	Geneva Obs.	L. Eyer	2 to 10	ISDC involvement, study of variability	
22	Cambridge	G. Gilmore	1-2	Detection and analysis of variables	
146	OHP	M. Boer	4	Follow-up, science alert	
165	Univ. Cathol. Louvain	C. Aerts	5 ?	Automated classification of lightcurves	

## Answers to Lol : individual answers

#	Name	institute	FTE/yr	Areas of interest
2	E. Milone	Calgary	2-4	EB : modeling, simulation
13	L. Szabados	Budapest	2	Variable stars analysis
15	Gomez de Castro	Madrid	?	Data mining, mathematical modeling
77	J. Fabregat	Valencia	0.5	O-B Star classification
87	P; Mathias	Nice	0.2	Light curves of Gamma Dor
111	P. de Laverny	Nice	0.5	Long period Miras
113	T. Zwitter	Lublijana	0.5	EB and Spectro binaries
116	A. Prsa	Lublijana	0.5	Period determination, EB
145	M. Chadid	Nice	0.1	Pulsating stars
149	E. Poretti	Milan	0.2	Pulsating stars
177	G. Gilmore	Cambridge	1-2	Light curves and planetary transits

## Related proposals

#	Name	institute	FTE/yr	Areas of interest	
18	G. Gilmore	Cambridge	5-7	S/W for the photometric processing	
51	A. Brown	Leiden	2-3	Core photometric processing	
94	J. Carme	Barcelone	2	Photometric simulation, calibration	
144	A. Vidal Madjar	Paris (IAP)	3	Periodic variables, micro-lensing, planetary transits	
30	C. Bailer-Jones	Heidelberg	5.5	Stellar classification	