

Global HOU Workshop 2008

July 16-18

| START | END | TITLE | ACTIVITY TYPE | Speaker | TITLE | Speaker |
|------------------|-------|---|---|----------------------------|---|-------------------------------|
| | | Room 1 | | | | Room 2 |
| July 16th | | | | | | |
| 08:30 | 09:30 | | Registration | | Registration | |
| 09:30 | 10:00 | | Welcome to GHOU workshop | | Welcome to GHOU workshop | |
| 10:00 | 11:30 | Salsa J | Introduction to image processing with SalsaJ: the basics. | Maria Luisa Almeida | SalsaJ | Leonor Cabral & Carlos Santos |
| 11:30 | 12:00 | | Coffee Break | | Coffee Break | |
| 12:00 | 13:30 | Salsa J | Exploring SalsaJ: rgb color images, movies, photometry | Maria Luisa Almeida | SalsaJ | Leonor Cabral & Carlos Santos |
| 13:30 | 14:30 | | Lunch | | Lunch | |
| 14:30 | 15:30 | SpectraJ | The Life of Stars and their Spectra - an electronic pedagogical tool for secondary schools. | Maria Luisa Almeida | Stellarium | Leonor Cabral |
| 15:30 | 16:30 | Stellarium | How to use Stellarium and prepare an observation run | Leonor Cabral | Measuring the Universe | Maria Luisa Almeida |
| 16:30 | 17:00 | | Coffee Break | | Coffee Break | |
| 17:00 | 18:00 | Measuring the Universe | Measuring distances with cepheids | Maria Luisa Almeida | SpectraJ | Leonor Cabral |
| July 17th | | | | | | |
| 9:00 | 10:00 | Build a Telescope | Wish to introduce an experience of sucessful Educational Program outreach: participants make their own telescope and explore the Universe with it. | Yasuhiro Hanaoka | Build a Spectroscope | Leonor Cabral |
| 10:00 | 11:00 | Build a Spectroscope | Build your own home-made spectroscope | Leonor Cabral | Build a Telescope | Yasuhiro Hanaoka |
| 11:00 | 11:30 | | Coffee Break | | Coffee Break | |
| 11:30 | 13:00 | Hands-On Universe Activity Kit | Earth to Universe low cost hands-on activities for children and common people | Kothari Ramesh | Discover Dark Matter | Suzanne Faye & Michel Faye |
| 13:00 | 14:00 | | Lunch | | Lunch | |
| 14:00 | 15:00 | Sun4all | The Sun for All project aims to introduce students to the Scientific Experimental analysis, using the Sun, and more specifically the Portuguese heliographic database as background. This Web-based project proposes an introduction to the concepts related to the Sun. It is complemented by activities to be carried out in a classroom context, exploring several silaba contents. Being transversal and interdisciplinar it constitutes an excellent tool for the teacher. | Susana Pereira | Software for Astronomy Education | Kevin Govener |
| 15:00 | 16:00 | Software for Astronomy Education | | Kevin Govener | Sun4all | Susana Pereira |
| 16:00 | 16:30 | | Coffee Break | | Coffee Break | |
| 16:30 | 18:00 | Discover Dark Matter | Using SalsaJ to discover dark matter in high schools: we shall present an exercice ready to be used in a classroom. It uses Doppler effect and Kepler's law to evaluate the dark matter in a galaxy. | Suzanne Faye & Michel Faye | Hands-On Universe Activity Kit | Kothari Ramesh |
| July 18th | | | | | | |
| 9:00 | 10:15 | Light Properties and the Phases of the Moon | Many children do not understand the reasons for the phases of the moon. This unit endeavors to teach basic properties of light scattering and scattering off non-specular surfaces to let students build a model of moons phases, based on evidence. | Jenifer Perazzo | How to weigh a Galaxy | Alessandra Zanazzi |
| 10:15 | 10:30 | Children & computers | UNAWE experience with introducing young children to computers. | Carolina Ödman | Coffee Break | |
| 10:30 | 11:00 | | Coffee Break | | Children & computers | Carolina Ödman |
| 11:00 | 11:15 | | | | Light Properties and the Phases of the Moon | Jenifer Perazzo |
| 11:15 | 12:30 | How to weigh a Galaxy | This activity allows high-school children to measure the mass of a spiral galaxy viewed edge-on using the same procedure employed by astronomers. | Alessandra Zanazzi | Lunch | |
| 12:30 | 13:30 | | Lunch | | The Ironwood North Observatory | Frnk Pino |
| 13:30 | 15:00 | The International Asteroid Search Campaign | Students who participate in the IASC utilize the Internet to make orginal discoveries of Main Belt asteroids. IASC is being expanded to include searches for comets, Kuiper Belt objects, supernovae, and active galactic nuclei. | Patrick Miller | The International Asteroid Search Campaign | Patrick Miller |
| 15:00 | 16:30 | The Ironwood North Observatory | A short induction about INO - The Ironwood North Observatory. How to log on and use INO. Weather permitting live image taking from IRO or IO. | Frank Pino | Coffee Break | |
| 16:30 | 17:00 | | Coffee Break | | | |
| 17:00 | 17:30 | | How to Do a Teacher Workshop with Video Conferencing - Video Conference with Richard Lohman | | | |
| 17:30 | 18:00 | | Globe@night - Video Conference with Connie Walker | | | |