



SciBar

Cup of coffee and astronomy

**July 8th 2010, Thursday
6 p.m.**

„Mission: Supernova Search“

**Robert Gregić & Ivica Skokić
Members of AD Anonymus**

**INFO CLUB (basement)
Faculty of Organization and Informatics
Varaždin, Pavlinska 2**

Free access

**Organization: Center for International Projects, FOI
Supporter: Varaždin County**

SciBar- scientists have decided to leave the laboratories, offices, lecture rooms for places where they will be able to tell their themes in fun, casual, and interesting way. They come in bars and clubs. They want to hear what people think about their work, about science, which is part of our lives - like it or not.

There are at least three major reasons why scientists are very interested in a supernova, a term that refers to stellar explosion during which are released huge amounts of energy. Astronomers now believe that much of the atoms in our body origins from supernova explosions. Moreover, it is believed that the supernova explosions have flooded our galaxy with highly energetic particles (aka cosmic radiation), which in turn have contributed to the mutation which drives the evolution of life on Earth. During recent years, new discoveries go in favor of the theory about creation of the solar system on the supernova remnants, 5 billion years ago. (Source: <http://www.astro.hr/>)

Supernovae are very rare, occurring on average every 100 years within a galaxy, and yet they are rarely close enough to be seen as an unusually luminous star. For that reason, the discovery of the Croatian team of astronomer on SSP project, whose member is a student of the Faculty of Organization and Informatics, is really important.

Supernova Search Project (SSP) is a joint project between La Sagra Observatory (Spain) and Astronomical Society Anonymus (Croatia) dedicated to supernovae search. It is part of La Sagra Sky Survey (LSSS), a very successful asteroid search program with over 4000 asteroid discoveries to date and members from Spain, Croatia and Hong Kong. Robert Gregić and Ivica Skokić will talk about supernova search process.

Robert Gregić and Ivica Skokić are last 15 years active members of the Astronomical Society Anonymus, where they teach young astronomers and searches for supernovae as a part of LSSS team. In the center of their interest are: Stellar evolution, cosmology, and small bodies of the solar system. Ivica is currently a student of PMF's graduate studies "Atomic and Molecular Physics and Astrophysics", while Robert is a student of FOI's graduate studies "Programming and Information engineering.