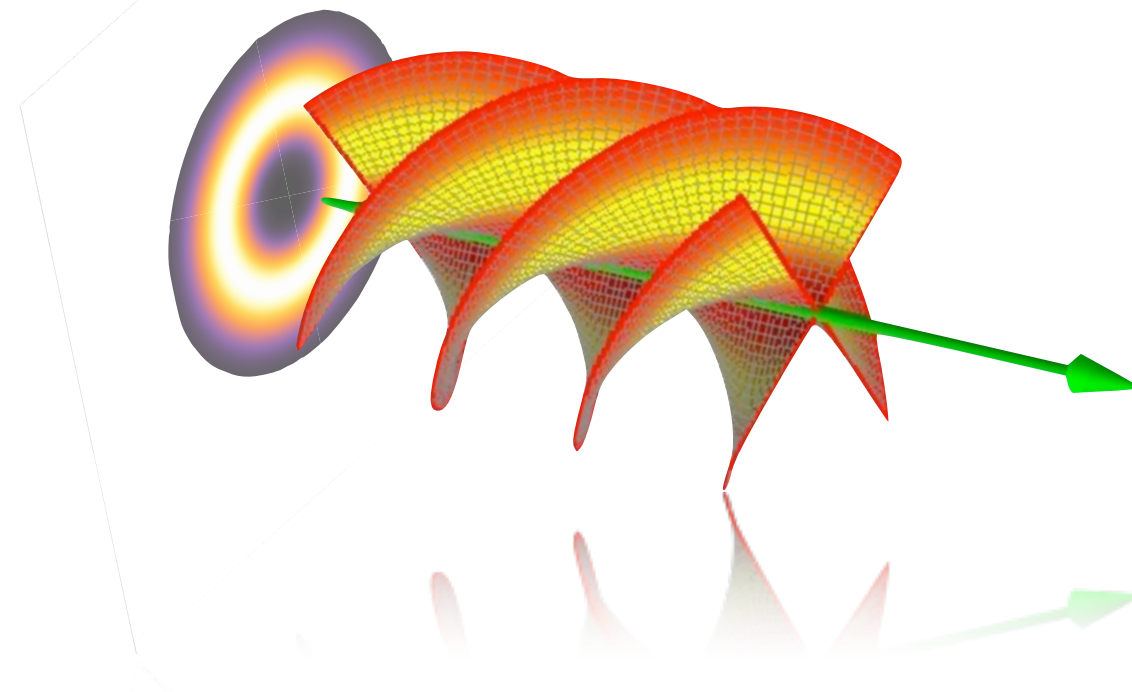
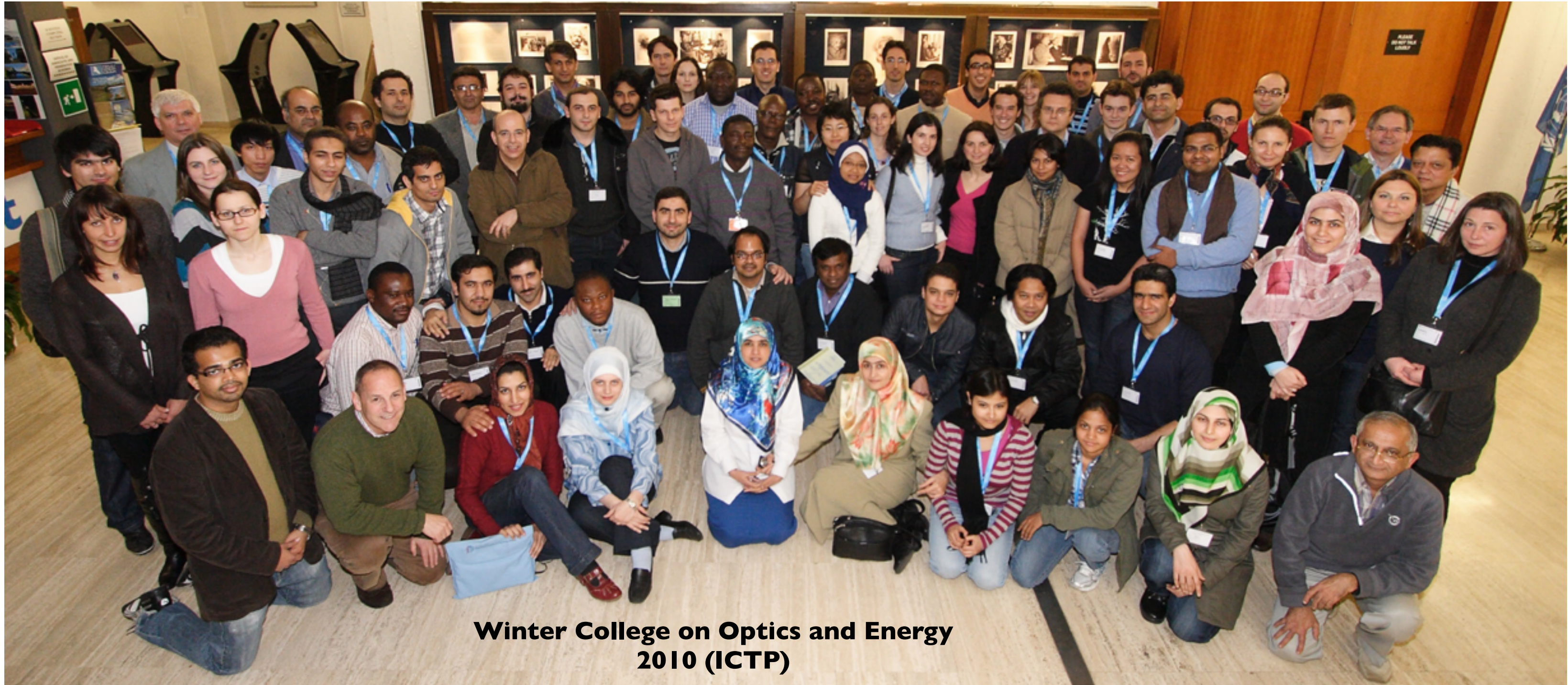


Workshop on singular optics and its application in modern physics opening/remarks

Ebrahim Karimi



Original Idea



**Winter College on Optics and Energy
2010 (ICTP)**

Original Idea



Prof. Niemela



Workshop subjects

- Generation and manipulation of optical vortices
- Imaging from micro- to astronomical-systems
- Optical tweezers
- Quantum information
- Random optical vortices and beam patterns
- Vortices in quantum turbulence
- BEC and exciton-polariton condensates
- Liquid crystals

Speakers



Prof. Barengi



Prof. Berloff



Prof. Berry



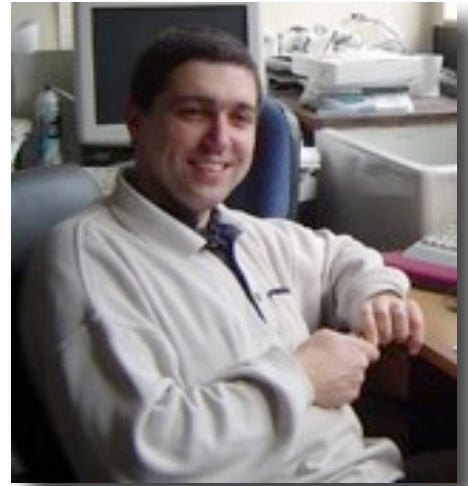
Dr. Dennis



Prof. Franke-Arnold



Prof. Freund



Dr. Mazilu



Prof. Santamato



Dr. Sciarrino



Prof. Soskin



Prof. Padgett



Dr. Tamburini



Prof. Woerdman



Dr. Verbeeck



Dr. Bilokh

Applicants

Armenia		3	Cuba		2	Kenya		2	Philippines		3
Algeria		2	Ethiopia		1	Macedonia		1	South Africa		4
Bangladesh		4	Ghana		1	Mexico		3	Syria		1
Brazil		2	India		11	Morocco		1	UK		1
Cameroon		1	Indonesia		1	Netherlands		1	Ukraine		2
China		2	Iran		22	Nigeria		4	USA		1
Colombia		4	Italy		14	Pakistan		4	Vietnam		1



Special thanks to



Ms. Rosa del Rio

Buon appetito

