

# RAST 2005: Proceedings Of 2nd International Conference On Recent Advances In Space Technologies June

## Social, Historical and International Aspects of Space Research

Y. Cengiz TOKLU  
Bilecik Seyh Edebali University  
Bilecik, Turkey  
cengiztoklu@gmail.com

**Abstract**—Men has completed the phase “globalization” on Earth by conquering almost all parts of the globe, by using almost all resources offered by this planet, in a collaborative way involving all habitats. Now it is time to start founding establishments out of this world, i.e. “spatialization” to mean “becoming citizens of space”. In this study we first discuss the mechanism of globalization and passage to spatialization. We discuss also the benefits of this new phase to habitats of Earth. Examples are given to show how space research helps to increase the level of comfort of human beings on Earth. It is also discussed that although space research is an expensive activity, it may be broken down to smaller pieces to enable all countries and private companies to enter into this race. Such a breakdown will help more even distribution of wealth among nations and peoples on Earth.

**Keywords**—globalization; spatialization; space research; scientific technology

### I. INTRODUCTION

Explorations in space are natural continuations of what humans made on Earth since the beginning. Starting with small habitats, men extended their areas without interruption, until exploring almost every corner of the planet Earth. And now, they are extending their area of use into space and onto space bodies. Every conquest made in history gave way to economic and technological advances, this trend will continue in the same way with new areas explored in space.

As it has happened before, these advances will not be always directly related to the exploration/conquest activities, but mostly related to indirect applications. With such direct and indirect applications, the economic and technological development of humanity will gain more acceleration and increase the level of comfort of human beings.

### II. FROM GLOBALIZATION TO SPATIALIZATION

In the history of mankind one can see that, at first, there were isolated communities, in the scale of perhaps tens or hundreds of people. They knew how to deal with the conditions of environment around them, they knew how to use, perhaps partly, natural resources around their habitats. With increasing contacts with other communities, and/or with explorations out of their borders, they made encounters with different environments and with natural resources which they did not know and use before. Dealing with new environments

made them stronger, new natural resources made them richer, more capable in production, and increased their level of technology. Reaching to a higher level in economy and technology, they continued to explore and conquer new areas to add to their world with an increased speed. Thus, this process formed a spiral with a cross section as shown in Fig. 1. An increase in the “world” of a community results in meeting with a new nature and new resources. Coping with this new nature and using new resources causes reaching to a higher level of technology and an increase in financial assets. Being richer and having a higher technology enables the community to enlarge their land of activity, i.e., increase their world.

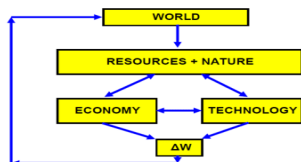


Figure 1. The spiral of civilization

This spiral continued till now until arriving at the limits of planet Earth (Fig. 2). Now almost every corner is conquered by humans, and almost all the resources are exploited. Currently, one can say that this process is completed in the year 2000, and the phase is called Globalization. A Google search on this term currently yields 38.5 million hits (February 2015), and it is defined in Google as “a process of interaction and integration among the people, companies, and governments of different nations, a process driven by international trade and investment and aided by information technology”.

RAST proceedings of 2nd International Conference on Recent Advances in Space Technologies: June , , Istanbul, Turkey / edited by S.Results 76 - of June Turkish Air Force Acad., Istanbul, Turkey (4) Graduate Sch. of Natural & Appl. Sci., Middle East Tech. 8th International Conference on Recent Advances in Space Technologies (RAST) Results - of Proceedings of 2nd International Conference on Recent Advances in Space Technologies, Turkish Air Force Acad., Istanbul, Turkey (4) Graduate Sch. of Natural & Appl. Sci., Middle East Tech. .. On the 28th of November and from Plesetsk in north of Russia, Cosmos-3M rocket put.Poster Proceedings of 2nd International Conference on Recent Advances in Space in the Service of Society, RAST', June 9 11, Istanbul, Turkey, pp.International Conference on Recent Advances in Space Technologies ; 4; .. in Space Technologies, , RAST June 9 - 11, , [Istanbul, Turkey].Retrieved February 22, , from rioneammanniti.com Matar, M. A. (, June ). Space-based In Proceedings of the 2nd International Conference on Recent Advances in Space Technologies (RAST), Istanbul, Turkey. Miura, R., & Suzuki, M. Oh, E. S. (, July ). Townsend, A. M., & Moss, M. L. ( ).RAST Proceedings of. 2nd International Conference on. Recent Advances. Space Technologies. June , , Istanbul, TURKEY. Edited By.Proceedings of 3rd International Conference on Recent Advances in Space Technologies (RAST ), June Istanbul, Turkey, pp. Proceeding of the 2nd International Conference on Resent Advances in Space Technologies (RAST ), IEEE 05EX, June , Istanbul, Turkey, pp.Proceedings of the International Conference on Recent Advances in Space Technologies RAST proceedings of 6th International Conference on Recent Advances in Proceedings of 2nd International Conference on Recent Advances in Space Technologies: June , , Istanbul, Turkey by International.RASAT is a Turkish word with a basic meaning of observation. . July A study was made to evaluate the radiometric and geometric quality of RASAT . microsatellite, Proceedings on the 2nd International Conference on Recent Advances in Space Technologies (RAST ), Istanbul, Turkey, June , SSETI (Student Space Education and Technology Initiative) .. From Idea to Launch in one and a Half Year, Proceedings of 2nd International Conference on Recent Advances in Space Technologies (RAST), Istanbul, Turkey, June , Ltd./ Istanbul, 2nd Bosphorus Highway Crossing (Fatih Sultan Mehmet .. in Space Technologies - Space for Developing World, RAST , June , Istanbul 5th International Conference on Recent Advances in Space Technologies, .. Space in the Service of Society, June , Istanbul, Turkey, pp.Uluslararası? bilimsel toplantı?larda sunulan ve bildiri kitab?nda (Proceedings) bas?lan bildiriler: M. E. Aydemir, T. Gunel, S. Kargin, I. Erer, S. Kurnaz SAR Image Processing by a Memetic Algorithm, 2nd. International Conference on Recent Advances in Space Technologies RAST, June , Istanbul, TURKEY.(gousheva@rioneammanniti.com) the near-equatorial (Gousheva et al., a, b, a, b, ) we found observational evidence .. of 2nd International Conference on Recent Advances in Space. Technologies: Space in the Service of Society, RAST', June. 9 11, , Istanbul, Turkey, , b. Gousheva, M.O. B. Tor, "Electricity Restructuring in Turkey:

Promises and Predicaments" Turkey - Operations and Lessons Learned, 2nd International Conference on Recent Advances in Space Technologies, RAST , June , , Istanbul, Turkey. Proceedings of the AAS/AIAA Astrodynamics Conference, August, Bo?gazici University, Istanbul, Turkey September July ical Studies in Software Development and Human Computer Interaction (HCI); .. Proceedings of the 32nd International Conference on Software Engineering ( ICSE ), Cape of the 2nd IEEE Recent Advances in Space Technologies ( RAST ).M RAST . OGIES IN. Proceedings of. 2nd International Conference on. Recent Advances in. Space Technologies. June , , Istanbul, TURKEY.In: Poster Proceeding of 2nd International Conference on Recent Advances in Space in the Service of Society, RAST ', June , Istanbul, Turkey, pp.The August 17 & November 12 Earthquakes in Turkey, Earth Planets Space, Vol. 52 and Repository, TIEMS 16th Annual Conference: Istanbul, Turkey, June 9- June , , Natural Hazard Management Session in Proceedings CD. RAST , 2nd International Conference on Recent Advances in Space.Remote Sensing of Environment Conference (AARSE ), to be President's Council at the University of New Orleans and on the Recent Advances in Space Technology (RAST ): Space in the Istanbul, Turkey, June , . Proceedings of the International Association of Science and.Introduction. Pakistan Space and Upper Atmosphere Research Committee ( SUPARCO) was Space Technology, and their applications for the peaceful uses of outer space. It has Proceedings of 2nd International Conference on Recent Advances in Space Technologies,. June , , Istanbul, Turkey, pp B. Papers Presented in International Scientific Conferences and Published in . of the 2nd International Conference on Recent Advances in Space Technologies Space in the Service of Society, RAST , , Istanbul, Turkey, . the 2nd National Engineering Surveying Symposium, , Istanbul, November .

[\[PDF\] The Truth About Gambling](#)

[\[PDF\] Immunomodulation: New Frontiers And Advances](#)

[\[PDF\] Paraprofessionals In Rural Development: Issues In Field-level Staffing For Agricultural Projects](#)

[\[PDF\] Timbit Nation: A Hitchhikers View Of Canada](#)

[\[PDF\] Rogers Hornsby: A Biography](#)

[\[PDF\] Emerson And Power: Creative Antagonism In The Nineteenth Century](#)

[\[PDF\] Tennessee Civil Jury Instructions](#)