Nanorobots are nanodevices that will be used for the purpose of maintaining and protecting the human body against pathogens. Nano is one billionth of one. Nanotechnology is the technology in which the operations are performed on nanometrics. It is the application of different technologies primarily interested in the reduction of size. The credential part of this paper gives the theoretical application of nanodevices in the treatment of AIDS. Some of the drugs of specific composition are given to the patients depending on the intensity of the disease. The drugs using nowadays are able to increase the lifetime to a few years only. To make the treatment more specific, we use the nanodevices that use nanosensors to sense the AIDS infected WBC’s. In this we are using nanorobots to get back the HIV infected WBC’s. By this the constant levels of WBC’s are maintained in the blood stream. Thus the AIDS patient is provided with the immune system so that he can defend himself from diseases. We have explained our idea in this paper and we hope that this theoretical approach can be made practical in the near future, so that the killer disease AIDS could also be made in control on the hands of Human with the emerging new technology like nanotechnology which has a Biomedical Application (Ref: Farhana S, Girija T, Purushothaman N. Preventing the spreading of HIV using Nano devices. *Discovery*, 2015, 31(140), 71-79); (Image: http://i.kinja-img.com/).
Security models and issues in cloud computing
Vidya Durga P, Thulasi V

Cloud computing offers many benefits. However, without appropriate security and privacy solutions designed for clouds, this potentially revolutionizing computing paradigm could become a huge failure. The security of cloud computing is always the focus of numerous potential cloud customers, and a big barrier for its widespread applications. In this paper, to facilitate the understanding of security status of cloud computing and contribute some efforts to improving the security level of cloud computing, we presented the existing popular security models of cloud computing, e.g. multiple-tenancy model, risk accumulation model, cube model of cloud computing, and summarized the main security risks of cloud computing. And we provide the solution to strengthen the security by virtualization. In this paper, we show how virtualization can increase the security of cloud computing, by protecting both the integrity of guest virtual machines and the cloud infrastructure components. In particular, we propose a novel architecture, Advanced Cloud Protection System (ACPS), aimed at guaranteeing increased security to cloud resources. Finally, we gave some security strategies from the perspective of construction, operation and security incident response to relieve the common security issues of cloud computing.

Discovery, 2015, 31(140), 62-70

Preventing the spreading of HIV using Nano devices
Farhana S, Girija T, Purushothaman N

Nanorobots are nanodevices that will be used for the purpose of maintaining and protecting the human body against pathogens. Nano is one billionth of one. Nanotechnology is the technology in which the operations are performed on nanometrics. It is the application of different technologies primarily interested in the reduction of size. The credential part of this paper gives the theoretical application of nanodevices in the treatment of AIDS. Some of the drugs of specific composition are given to the patients depending on the intensity of the disease. The drugs using nowadays are able to increase the lifetime to a few years only. To make the treatment more specific, we use the nanodevices that use nanosensors to sense the AIDS infected WBC’s. In this we are using nanorobots to get back the HIV infected WBC’s. By this the constant levels of WBC’s are maintained in the blood stream. Thus the AIDS patient is provided with the immune system so that he can defend himself from diseases. We have explained our idea in this paper and we hope that this theoretical approach can be made practical in the near future, so that the killer disease AIDS could also be made in control on the hands of Human with the emerging new technology like nanotechonology which has a Bio-medical Application.

Discovery, 2015, 31(140), 71-79

Tracking moving obstacle detection and pathplaning of UAV by using image processing
Suresh S, Prashanth R

Our main aim is to detect an obstacle from any image, and from the methodology used in this we can easily and quickly detect the obstacle. This article is primarily focused on detection of moving objects from aerial vehicles for surveillance. The blob analysis back subtraction method is used for detecting the obstacle in an outdoor environment. Small UAVs are used for low altitude surveillance flights where unknown obstacles can be encountered. The UAV Sends Videos to Ground Station and Automatic Gait Recognition by Symmetry Analysis.

Discovery, 2015, 31(140), 80-87