

Computer Science  
Business Partnership Council Agenda  
Friday, October 19, 2012  
8:30am to 10:00am – TC 427

I. Introduction of David Knopp, new Associate Dean for Business, Computer Science, and Hospitality Management

David Knopp and the other members of the BPC introduced themselves to the council.

II. With regard to the rapid growth of video traffic and in the use of mobile devices, do we need to re-think our approach to teaching?

III. Do we need classes in wireless technologies and protocols?

Robert Haine suggested building an infrastructure for the educational use of video conferencing and streaming. He recommended Wowza Broadcast Server and Jabber (open source) for unified communications on the desktop. He mentioned the adaptive bit rate provided by AKAMAI and LightStream which are CDN providers. Robert also listed some other technologies: Apple HLS HTTP Live Streaming, Helix, VBrick, Viewcast, Z-Scale Proxy, Linq/Linq-like products, INLET Spinnaker, Android Gingerbread and JellyBean, and Live Presence. Robert mentioned that there were many jobs in Unified Communications. Students should be taught about CODECs, encoders, and configuring streaming media servers. Robert mentioned that Infocom training in May/June provides training workshops. Mike Merker said that Palm Beach State College uses Windows Media since bandwidth utilization was not a concern and that the Media Services Technology department manages the server. Mike also mentioned that the WiFi network at the college was limited to specific areas and was for casual Internet access (checking emails) and the infrastructure was not for streaming media.

IV. What are the new services or technologies that students should be able to configure?

Marg Chauvin wanted to look at curriculum which would prepare the students for two areas to support mobile devices and video traffic: networking, which would encompass the configuration of the streaming servers, and programming of Android and iPhone devices. David Knopp handed out flyers for Steve Wozniak's Foundation lecture and briefly discussed the Foundation event. Ali Fazelpour mentioned that Android Programming and C# were areas of growth. Schiller Salomon mentioned that his company uses JavaScript/HTML/AJAX with JQuery for their mobile applications.

Schiller Salomon said that Business Intelligence, SharePoint, Data warehousing, EPR for data integration and moving data, and Big Data were all areas of interest at Point Blank. Also, the developments of web apps for his business were important as well as data management.

Robert Haine said that Cloud Services and digital radio programming over the Internet were also areas of growth.

Richard Chance mentioned that the Department of Homeland Security stated that there was a lack of practical skills among network security professionals and that more practical training was needed: troubleshooting, pairing course work with certifications, and ongoing training for those working in the field. He also mentioned wanting to become an NSA Center for Excellence and to work with various associations

V. Richard L. Reeder, Program Director for HVAC/R, Welding, and Machining Technologies will discuss programs in his area.

Richard said the machine shop is the No.1 in the state and the only MIMS certified shop in Florida. The machining shop has 3-D programmable lathes and that partnerships between various departments could be established. Richard Reeder mentioned that students have a job lined up four months before they complete the program and that they make medical devices (hips and knees) and also helicopter parts. He said that Certifications from NATEF, ASCI, and other third parties were also important. Richard Reeder said the consolidation of the programs from the various high schools.

VI. Develop an Action Plan

Action Plan: Additional members to BPC. Chuck Stoddard mentioned the following organizations which should be invited: Department of Labor, United Technology, Palm Beach Sheriff's Office, FPL, and Sikorsky. Robert Haine suggested that representatives of vendors from whom the college purchases equipment should be encouraged to attend. Richard Reeder said that his approach to recruiting members for his BPC was that "You are our customers, please guide and help us". Richard L. Reeder suggested that a vendor be brought to give a non-sales pitch presentation of their products. He also suggested the meeting be held in the afternoon and in a larger room. Richard said that a Perkins grant was awarded to his area; since it was driven by the business community and that he had established relationships with various associations. Schiller Salomon suggested that the PBC build partnerships with associations. He mentioned hosting a South Florida .NET meeting. Also, forming PAS and UPE chapters would bring members from the business community to the campus.

VII. Set date for next meeting April 11, 4:00pm

VIII. Adjourned

Attendees:

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