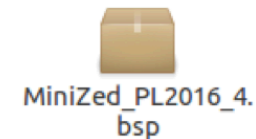# Courtney Ngai
Software Engineering Intern – Kevin Keryk, Global Solutions

Projects

- OS Software Board Support Package: Completion Xilinx PetaLinux SW BSP - v2016.4
- VirtualBox Installation Guide Manual: Updates to Xilinx Vivado/SDK - v2017.1, v2017.2
- Development Avnet Apple iOS App:Creation of IoT Bluetooth App - Avnet MiniZed Board

Future Project Benefits

MiniZed_PL2016_4.
bsp

Xilinx PetaLinux v2016.4 Software Board Support Package

- Allows customers to install Linux OS on FGPAs with latest software drivers
- Enables customer "Instant On" experience
- Board Software Package will be foundation for future PetaLinux OS use

/\VNET

Courtney Ngai
Software Engineering Intern – Kevin Keryk, Global Solutions

Future Project Benefits continued

VirtualBox Installation Guide Manual

- Concise starter guide for the use of Linux Virtual Machines on Windows platform
- Virtual Machine enables users to install multiple OS to target Avnet development boards
- New designers demand development boards that run the OS of their choice

Apple iOS BLE Communication App

AVT BLE MiniZ

- First Avnet iOS app with 3D graphics for Avnet DS Board Products
- iOS App software is a platform for future Avnet Design Services iOS Apps
- User Interface is customized with new Avnet Logo and brand color palette
- Data and Graphics wireless communication software is a foundation for future apps with 3D Motion Graphics

AVNET

Courtney Ngai
Software Engineering Intern – Kevin Keryk, Global Solutions

Key Learnings

- Programming Languages: Swift for iOS Coding, Tcl for Build Scripts
- Virtual Machine: User OS installation and support
- New Software development processes: Agile and SCRUM

FAE Institute – Supplier Showcase

- Attended Avnet FAE Institute to assist in display and support of both Avnet board offerings and their capabilities
- Demonstrate the new Avnet MiniZed iOS App at Supplier Showcase Night
- Training Classes – Full week training on Industry Trends, Supplier Product, Technology and Future Roadmaps
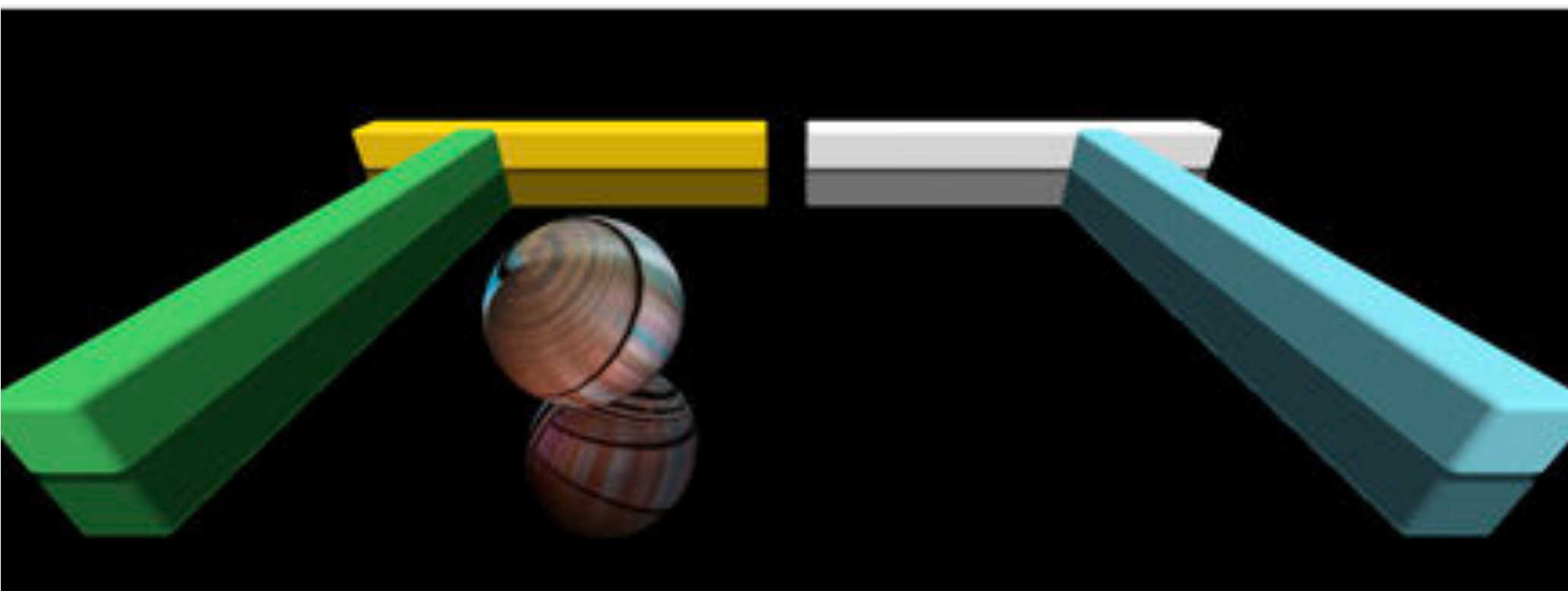
/MINIZED™

X: 0.0112
3-Axis Y: -0.0464
Z: 1.0010

Temp 41°C

BLE   ⬭
Button   ⬭
LED   **Green**

Reset Ball

● ● ● ●

⋀VNET
Reach Further™

Auto-connect to:

MiniZed1

(Scan BLE)

BLE Services Active

BLE 🔵

/MINIZED™

TAP your MiniZed below to connect

Bose SoundSport (Bose SoundSport)

MiniZed1 (Avnet Minized with Murata Type-1DX)

● ● ● ●

MiniZed Wi-Fi Credentials

BLE ⬤

Wi-Fi ⬤

*Note: 20 charaters max.

Online 192.168.1.40

Wi-Fi network Name

ZyXEL_A4AC

Password

••••••••

Hide Password

🟢

(Update)

/MINIZED™