You are receiving this message as a Juniper Networks Academic Alliance Member Contact or because you have been identified as a JNAA program advocate. The Juniper Networks Academic Alliance Program (JNAA) envisions a global community of people united by Juniper Technology for the benefit of one and all. It's mission is to empower students and researchers to learn of, collaborate on, and contribute to Juniper's networking technology; enabling them to challenge the status quo, enrich the academic environment, and create opportunities for innovation, entrepreneurship and career development. More information can be found on the JNAA microsite.

Introduction

First off we would like to wish good fortune to all that are about to embark on academic year 2017/2018. May it bring forth many bright students, lots of innovation and idea's, but most of all: an immense amount of knowledge transfer.
In this month's newsletter we wanted to share a bit more detail around the different document repositories we have available for our Academic Alliance members: Onfulfillment (OF) and CDS Secure-Share. We hope that by highlighting the possibilities, more members will start to adopt them.
Finally we have a couple of interesting additions to our Research Program, so obviously we would like to share them with you here.

Best regards,

The Juniper Networks Academic Alliance team.

JNAA Member Update

Our program is proud to welcome the following new member:

- Gallaudet University, USA
- University of Melbourne, Australia

JNAA Document repositories

It's important to note that all JNAA members have access to 2 different document repositories:
✓ A tool to order and securely view the official Juniper courseware: Onfulfillment.
✓ A tool to access content that supports the course delivery by faculty members: CDS.

Each JNAA faculty member registering at our JNAA faculty registration page will receive an email that contains all login details for these document repositories.

1. Onfulfillment (OF)

Used to order the official Juniper courseware (e-)books for students, OF provides Juniper Networks the functionality of protecting their intellectual property with regards to the course content. We provide each JNAA members 2 types of OF accounts: one for faculty members to enable group ordering books for their students, and one for students to order their own free set of books.

Introduction to the Junos Operating System (IJOS)

Hard Copy
OnSecure

Juniper Intermediate Routing (JIR)

Junos MPLS Fundamentals (JMF)

Juniper Security (JSEC)

Junos Service Provider Switching (JSPX)

Network Automation Using Contrail Cloud (NACC)

Junos Enterprise Switching Using Enhanced Layer 2 Software (JEX-ELS)

OnSecure

EDU-JUN-IJOS-V-15.a_ONS

Introduction to the Junos Operating System, Revision V-15.a

Price: Free

Qty: 1   Add to Cart

1.1. Faculty member ordering

This login is to be used to order the books for the Juniper Networks classes at the beginning of the class. Faculty members have the option of either purchasing the *Hard Copy* version for their students, or select the free digital *OnSecure* version. When the free e-books are ordered the students will receive an email with instructions how to access the digital content. They then have the option to order the hard copy version and pay for it themselves. The full ordering process is explained here.

1.2. Student ordering

This login is to be used by JNAA students to order the free Juniper Networks course e-books. Contrary to the faculty OF login, students won't have the option to order the printed version of the books. The full ordering process is explained here.

2. CDS

The Secure-Share environment of CDS allows us to share files with our JNAA faculty members to enable them to deliver the Juniper courses to their students.

The repository is built around the course names, and each course folder contains:
- additional course information
- PowerPoint presentations per course chapter
- lab setup instructions
- lab diagrams
- lab configurations
- …

While the presentations may be altered to suit your needs, they cannot be shared with the students.

Detailed instructions on how to access the CDS file repository can be found here.

Event in the spotlight: Cape Peninsula University of Technology (CPUT)

While there was a long standing relationship between JNAA and the Cape Peninsula University of Technology (CPUT) from Cape Town, South Africa, it was mainly focused on CPUT using the Juniper technology for research purposes. That started to change as both students and faculty members were keen to deepen their Juniper knowledge. To address this interest a JNCIA-JUNOS preparation bootcamp was organized.

The bootcamp consisted of 3 intensive days of IJOS training, and in total 80+ students joined the event on the first day, largely exceeding the 60 registrations Juniper gathered prior to the event. This resulted in a rather hectic first lab session, where non-registered students were looking to team up with registered students to complete the first batch of lab challenges. As the day ended, the remaining participants received their electronic courseware and personal lab login details.

Sharing words of wisdom with the students

When all theory was said and done on day 3, an industry panel took their turn on the stage as keynote speakers. After the introduction by Dr. Boniface Kabaso, the department head of CPUT IT, Nick Treasure from Three6five, Nicholas Krul from XON and Vincent Herreman from Juniper Networks each shared their insights, experience and advice with the students.

One of the participants summed it up as: "*Their words today were such a great motivation, it showed me that anything is possible if only I keep learning and take initiative. They have truly added value to my life and hope I too will be Juniper certified one day.*"

You can read and share the full article on the event here.

New JNAA Research opportunities

Our JNAA research page has been updated with a couple of interesting research opportunities.

AppFormix plugin development

AppFormix is a new breed of optimization and management software platform for public, private and hybrid clouds. This intent-driven software manages automated operations, visibility, and reporting in cloud and Network Functions Virtualization (NFV) use cases for Kubernetes and OpenStack, as well as Amazon Web Services. It features machine learning-based policy and smart monitors, application and software-defined infrastructure analytics, alarms, and chargeback accounting. We are looking for students to write device plugins to increase the reach of the platform in the datacenter.

ONAP deployment

The Open Network Automation Platform brings together Open ECOMP and Open-O projects as a comprehensive platform for real-time, policy-driven orchestration and automation of physical and virtual network functions that will enable software, network, IT and cloud providers and developers to rapidly create new services. By consolidating member resources, ONAP will deliver a unified architecture and implementation, with an open standards focus, faster than any one product could on its own. Since Juniper joined this initiative, we are looking for students to play around with the technology and report back on its capabilities.

For a full list of JNAA research opportunities have a look here (Password protected).

Future Events

All around the globe we are setting up events with and for our JNAA members. And, as always, there are seats available for guest student delegations. So if you are interested in joining one of the events below, drop us a mail and we will make the introductions.

Date	Content	Location	Country
19/09-21/09	JNCIA-JUNOS	University of Hertfordshire (Herts)	UK
24/09-26/09	JNCIA-JUNOS	MSA University (MSA)	Egypt
25/09-29/09	JNCIS-SDNA	Paris-Hybrid (JNAA Faculty members only!)	France
01/2018	JNCIA-JUNOS	University of Johannesburg (UJ)	South Africa
01/2018	JNCIA-JUNOS	Addis Ababa Institute of Technology (AAiT)	Ethiopia
03/2018	JIR	Artesis Plantijn Hogeschool Antwerpen (AP)	Belgium
08/2018	JNCIS-SDNA	University of Johannesburg (UJ)	South Africa
08/2018	JNCIS-SDNA	Budapest University of Technology and Economics (BME)	Hungary
08/2019	JNCIS-SEC	Hogeschool Utrecht (HU)	The Netherlands

Are you eager to host an event, let us know!

JNAA Program Updates and Roadmap

We are continuously looking for ways to improve our Academic Program offerings.
As it stands, the following deliverables are set for deployment:

2017 H2 - Launch of the on-demand e-learning modules for JNAA. [Watch a sneak peek here]
2017 H2 - Build out the research track of the JNAA program.
2017 H2 - Launch of Juniper Open Learning

Your ideas. Connected.™

Juniper Networks, 1194 North Mathilda Avenue, Sunnyvale, CA 94089-1206. USA
Additional information can be found at www.juniper.net.