

# iVEC Kalgoorlie Technology Showcase >



*'The hub of advanced computing in Western Australia'*

## **iVEC invites you to attend the following iVEC Courses and Technology Showcase**

The series of **hands on courses** covers accessing iVEC, obtaining help, available resources, programming with MPI and iVEC's position in the national picture. The **showcase** features working demonstrations by WA's cutting edge performers in advanced computing.

### **Mon 24 July > Introduction to iVEC**

A one day hands on course introducing iVEC, its facilities, available resources and how to access these. The course will focus on iVEC resources with some detail about obtaining access to national resources of APAC, such as the APAC National Facility.

### **Tues 25 July > Parallel Programming with MPI**

Introductory one day course on programming using the MPI library. Course pre-requisites include a working knowledge of Fortran or C, UNIX, and a UNIX editor (vi or emacs) will be assumed. Attendees must have previously taken the "Introduction to iVEC" course or be familiar with the PBS queue and environment on iVEC or the APAC National Facility.

### **Wed 26 July > Technology Showcase**

With demonstrations from cutting edge performers in advanced computing, the technology showcase features technologies relevant to the mining and resources sector: remote collaborative virtual organisation tools; distributed and grid computing tools; physical simulators and OpenSource solutions. The showcase is followed by a 4pm Sundowner, a networking session with the participants, presenters and people in Perth over the access grid.

Acting as 'the hub of advanced computing in Western Australia', iVEC is a high performance computing (HPC) and visualisation centre. iVEC provides access to cutting edge high performance computing and visualisation labs to researchers and industry, holds seminars and conferences on computational science and HPC, and provides support to students and industry personnel, researchers, academics and scientists through training, scholarships and seminars on advanced computing and research and development opportunities. Application areas include nanotechnology, high energy physics, medical and mining training, medical research, mining and petroleum, architecture and construction, multimedia, and urban planning.

**Where:** Western Australian School of Mines, Odwyn Jones Building (703), Corner of Cassidy and Macdonald Street, Kalgoorlie, (entrance from Cassidy)  
24 & 25 July **Mine Design Computer Labs** (Building 703, Rooms: 130 & 131)  
26 July **Lecture Room** (Building 703, Room: 211)

**Time:** 24 & 25 July 9am to 5pm, 26 July 9am to 5.30pm

**Cost:** Free, morning and afternoon tea is provided

**Registration:** Dr Stuart Midgley by July 20 via email [stuart.midgley@ivec.org](mailto:stuart.midgley@ivec.org)  
Places are limited, rsvp is essential