

## Queensland Economics Summer School\*

### Economics of Patents and Innovation – Theory, Data and Policy Applications

*\*an initiative of the Economic Society of Australia (Qld), Qld University of Technology, Uni of Qld and Griffith University*

**7 November – 9 November 2018**

#### Agenda

##### **Wednesday 7 November**

2:00 pm (or earlier but rooms not available until 2pm)	Check-in at <a href="#">O'Reilly's Rainforest Retreat</a>
2:00 pm to 2.30 pm (Theatrette)	Registration for Conference Arrival Tea and coffee with sandwiches and snacks
2.30pm to 4:00pm (Theatrette)	<b>Introduction to the Economics of Innovation – Professor Adam Jaffe</b> <ul style="list-style-type: none"><li>• Invention, innovation and diffusion</li><li>• Creative destruction</li><li>• Spillovers and the appropriability problem</li><li>• Cumulative innovation</li><li>• Innovation and productivity</li></ul>
4:00 – 4.15pm (Theatrette)	Afternoon tea and coffee
4.15 - 5.45pm	<b>The economics and policy of intellectual property rights – Professor Adam Jaffe</b> <ul style="list-style-type: none"><li>• The theory of IPR</li><li>• Patents, copyrights and trademarks</li><li>• IPR and antitrust</li><li>• IPR and international trade and investment</li><li>• The patent 'quality' problem</li></ul>
6.00pm	Pre-dinner drinks
6.30pm	Dinner – Gourmet BBQ (in the Pavilion)

**Thursday 8 November**

7:30 am to 8:30 am	Breakfast (Dining Room)
8:30 am to 10:00 am (Theatrette)	<b>Measuring innovation quantity and quality using patent data – Professor Adam Jaffe</b> <ul style="list-style-type: none"> <li>• The knowledge production function</li> <li>• Patents as an indicator of invention</li> <li>• Patent citations and metrics of originality, scope and impact</li> <li>• Patent citations and knowledge spillovers</li> </ul>
10:00 am to 10:30 am	Morning Tea
10:30 am to 12:00 pm (Theatrette)	<b>The innovation system: interaction of public and private investments – Professor Adam Jaffe</b> <ul style="list-style-type: none"> <li>• Public and private research institutions</li> <li>• R&amp;D and invention</li> <li>• From invention to innovation</li> <li>• ‘open innovation’ and the role of suppliers and customers</li> <li>• The ‘paradox’ of slow diffusion of new technologies</li> </ul>
12:00 pm to 12.45 pm	Lunch (Dining Room)
12.45 pm to 2:30 pm	<b>Tour through rainforest and guided walk (<i>meet outside reception</i>)</b>
2:30 pm to 3.00 pm	Afternoon Tea
3.00 pm to 5.00 pm (Theatrette)	<b>Presentations by Participants (by PhD students and others on current research)</b>
6:00 pm	Pre-dinner drinks
6.30 pm	Dinner (Dining Room)

**Friday 9 November**

7:30 am to 8:30 am	Breakfast (Dining Room)
7.30 am to 8:30 am	<b>Check out from O’Reilly’s</b>
8:30 am to 10:00 am (Theatrette)	<b>Topics at the research frontier – Professor Adam Jaffe</b> <ul style="list-style-type: none"> <li>• Measuring research outcomes and impacts</li> <li>• Applying network analytic methods to the innovation system</li> <li>• Using natural language processing and machine learning to analyse patent and publication texts</li> </ul>
10:00 am to 10:30 am	Morning Tea
10:30 am to 12:00 pm (Theatrette)	<b>Policy Panel Discussion – Professor Adam Jaffe and others to be announced</b>
<b>12:00 pm to 12.45 pm</b>	<b>Lunch (Dining Room) and depart for Gold Coast and Brisbane</b>