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EBERHARD KARLS UNIVERSITÄT  
TÜBINGEN

Prof. Dr. Patrick Kampkötter  
Prof. Dr. Manfred Stadler



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## **B519: Selected Issues in Managerial Economics**

### **Research Colloquium on:**

### **“Organizational and Technological Innovation”**

**Summer term 2018**

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The seminar is aimed at (and restricted to) all students of the M.Sc.-Program in Management & Economics. It comprises of theoretical and empirical papers focusing on topics such as innovative behavior of firms, productivity growth, ICT use, automatization and technological change.

Presentations in the seminar are limited to 20 minutes, co-presentations up to 10 minutes and discussions up to 15 minutes. Each participant is required to give one presentation and one co-presentation. Students are assigned to selected papers for presentations and co-presentations following the kick-off meeting.

Criteria for grading are (i) self-dependence in preparing the presentation and co-presentation, (ii) clarity and persuasiveness of the presentation and co-presentation, and (iii) taking an active part in the discussions.

Students who are interested in participating need to apply until Monday, April 9, 2018, midnight. The application form can be downloaded from the webpage of the Department of Managerial Accounting. You are able to state four preferred topics in the application form. Please send the completed application form and a transcript of records via email to Ms. Hegedüs from the Department of Managerial Accounting ([managerial-accounting@wiwi.uni-tuebingen.de](mailto:managerial-accounting@wiwi.uni-tuebingen.de)) or personally hand them in during the opening hours of the secretary of the Department of Managerial Accounting (usually Tuesday and Thursday 10.45-11.45 a.m. and 3.00-4.00 p.m.).

Students are required to attend the kick-off meeting on Friday, April 20, 2018 at 14:00 c.t. (room E09, Mohlstr. 36). Please note that attending the kick-off meeting is mandatory for taking part in the seminar. During the kick-off meeting, topics will be introduced and assigned to the students (based on the revealed preferences).

### ***Dates, Topics, and References:***

- Friday, April 20, 2018, 14:00 c.t. -15:00, room E09, Mohlstr. 36: kick-off meeting
- Thursday, June 7, 2018, 13:00-19:00, Medienraum, Nauklerstr. 47: student presentations
- Thursday, June 14, 2018, 13:00-19:00, Gebhard-Müller-Saal, Nauklerstr. 47: student presentations.

Please note that the exact time schedule is tentative and depends on the number of participating students.

### ***Theoretical Studies (supervisor Manfred Stadler):***

#### **1. Market Structure and Innovation Races**

Kukuk, M. and Stadler, M. (2005), Market Structure and Innovation Races. An Empirical Assessment Using Indirect Inference. *Jahrbücher für Nationalökonomie und Statistik* 225, 427-440.

#### **2. R&D Dynamics in Two-Stage Innovation Races**

Grossman, G.M. and Shapiro, C. (1987), Dynamic R&D Competition. *Economic Journal* 97, 372-387.

#### **3. Learning and R&D Dynamics in Innovation Races**

Malueg, D.A., Tsutsui, S.O. (1997), Dynamic R&D Competition with Learning. *Rand Journal of Economics* 28, 751-772.

#### **4. Step-By-Step Innovation and Product Market Competition**

Aghion, P., Harris, C., and Vickers, J. (1997), Competition and Growth with Step-by-Step Innovation: An Example. *European Economic Review* 41, 771-782

or:

Aghion, P., Harris, C., Howitt, P., and Vickers, J. (2001), Competition, Imitation and Growth with Step-by-Step Innovation. *Review of Economic Studies* 68, 467-492.

or:

Aghion, P., Bloom, N., Blundell, R. Griffith, R., Howitt, P. (2005), Competition and Innovation: An Inverted-U Relationship. *Quarterly Journal of Economics* 120, 701-728.

## 5. R&D Tournaments

Zhou, H. (2006), R&D Tournaments with Spillovers. *Atlantic Economic Journal* 34, 327-339

or:

Taylor, C. (1995), Digging for Golden Carrots: An Analysis of Research Tournaments. *American Economic Review* 85, 872-890.

## 6. R&D Contests

Stadler, M. (2010), Market Structure, Spillovers, and Licensing in R&D Contests. In: H.J. Ramser et al. (eds.), *Marktmacht*. Mohr Siebeck, Tübingen, pp. 9-19.

## 7. Spillover Effects and R&D Joint Ventures

Martin, S. (2002), Spillovers, Appropriability, and R&D. *Journal of Economics* 75, 1-32.

## 8. Financial Constraints and Patent Races

Jensen, R. (2004), Strategic Debt and Patent Races. *International Journal of Industrial Organization* 22, 887-915

or:

Schroth, E., Szalay, D. (2010), Cash Breeds Success: The Role of Financing Constraints in Patent Races. *Review of Finance* 14, 73-118.

### ***Empirical Studies (supervisor Patrick Kampkötter)***

## 9. Technology Spillovers

Bloom, N., Schankerman, M., and Van Reenen, J. (2013), Identifying technology spillovers and product market rivalry. *Econometrica* 81 (4), 1347-1393.

## **10. ICT and Productivity**

Brynjolfsson, E. and Hitt, L.M. (2003), Computing Productivity: Firm-Level Evidence. *Review of Economics and Statistics*, 85 (4), 793-808.

## **11. ICT and Multinationals**

Bloom, N., Sadun, R., and Van Reenen, J. (2012), Americans do IT better: US multinationals and the productivity miracle, *American Economic Review* 102 (1), 167-201.

## **12. Automation and Robot Usage**

Acemoglu, D., and Restrepo, P. (2017), Robots and Jobs: Evidence from US Labor Markets. NBER Working Paper No. 23285.

## **13. Type of Ownership and Innovation**

Aghion, P., Van Reenen, J., and Zingales, L. (2013), Innovation and Institutional Ownership. *American Economic Review*, 103(1): 277–304.

## **14. Pay-for-performance and Innovation**

Ederer, F. and Manso, G. (2013), Is Pay for Performance Detrimental to Innovation?. *Management Science*, 59(7):1496-1513.

## **15. Employee Training and R&D**

Ballot, G., Fakhfakh, F. and Taymaz, E. (2006), Who Benefits from Training and R&D, the Firm or the Workers?. *British Journal of Industrial Relations*, 44(3), 473-495.

## **16. Patents and R&D**

Giarratana, M., Mariani, M. and Weller, I. (2018). Rewards for Patents and Inventor Behaviors in Industrial R&D. *Academy of Management Journal*, 61(1), 264-292.