

CV for Steffen Kjær Johansen

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Department of Technology and Innovation
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Employment

Postdoc

Barcelona Institute of Science and Technology
Barcelona, Spain
21. Jun 2005 → 31. Dec 2006

Consultant

Teknologisk Institut
Høje taastrup, Denmark
1. Apr 2004 → 31. Dec 2004

Postdoc

Le Laboratoire de Physique de la Matière Condensée (LPMC), Université de Nice-Sophia Antipolis / CNRS.
Nice, France
1. Sept 2002 → 31. Aug 2003

Ph.D.

Technical University of Denmark
Kongens Lyngby, Denmark
1. Sept 1999 → 31. Aug 2002

Research areas

Transparency in value chains
Value creation through interdisciplinary innovation
Sustainability and the UN sustainable development goals
Foundational ethics and business ethics
Political philosophy with emphasis on the role of the university

Qualifications

Philosophy, Master of Arts, Our University: The fifth power of state, University of Southern Denmark
Award Date: 28. Feb 2018

Finance, Graduate Diploma in Business Administration, Academic Spin-Off Ventures, Copenhagen Business School
Award Date: 12. Dec 2005

Ph.D., All-Optical Signal Processing in Quadratic Nonlinear Materials, Technical University of Denmark
Award Date: 11. Nov 2002

Technical Physics, Master of Science in Engineering, Beam Propagation and Self-Focusing in $\chi(2)$ Materials, Technical University of Denmark
Award Date: 13. Sept 1999

Italian, Certificate in Business Language, Copenhagen Business School
Award Date: 11. Jun 1998

Research output

Developing 21st Century Skills for a Sustainable Future through Interdisciplinary Education

Beate Pettersen, I., Johannessen, A., Sortland, B., Løje, H., Håkansson, L., Östman, M., Brenna, S. J., Kjær Johansen, S., Haahr, U., Schnaas, U. & Keiding, V., 15. Feb 2023.

Diversity and team performance

Kjær Johansen, S. & Hurford, D., 16. Jun 2022, *Proceedings of the 6th conference on interdisciplinary teamwork skills for the 21st century*.

On the role of the university: The emergence of entrepreneurship and innovation teaching at Danish universities

Kjær Johansen, S. & Hyldegård, J. S., 17. Jun 2021, p. 33-35.

Value creation across disciplines, traditions and culture

Hyldegård, J. S. & Kjær Johansen, S., 17. Jun 2021, *Proceeding for ITS21 Interdisciplinary Teamwork Skills conference*. p. 32-33

En hackathon går online

Nørgaard, C., Senderovitz, M., Kleine, K., Yu, F., Kjærgaard, T. B., Toftild, L. F., Kjær Johansen, S. & Nielsen, S. L., 2021, p. 1.

Hackathon as a method for competence development for lecturers

Nørgaard, C., Senderovitz, M., Kleine, K., Yu, F., Toftild, L. F., Kjær Johansen, S., Nielsen, S. L. & Kjærgaard, T. B., 2021, p. 1.

Engineering Methodology Revisited

Johansen, S. K., Nov 2018, p. 26-27.

Pursuing the good case for innovation learning

Johansen, S. K., Løje, H. & Keiding, V., Nov 2018, p. 47-48.

Experts in Teams – An experiential learning method

Johansen, S. K., 23. May 2017, *Exploring Teaching for Active Learning in Engineering Education: Proceedings of the ETALEE 2017 Conference*. Røn, J. B. (ed.). IngeniørUddannelsernes Pædagogiske Netværk, p. 31-39

Geometry and transport in a model of two coupled quadratic nonlinear waveguides

Stirling, J. R., Bang, O., Christiansen, P. L., Zakyntinaki, M. S. & Johansen, S. K., 9. Apr 2008, In: *Chaos*. 18, 1, 013116.

Dyakonov surface waves: A review

Takayama, O., Crasovan, L. C., Johansen, S. K., Mihalache, D., Artigas, D. & Torner, L., 1. Apr 2008, In: *Electromagnetics*. 28, 3, p. 126-145 20 p.

Enhanced localization of Dyakonov-like surface waves in left-handed materials

Crasovan, L. C., Takayama, O., Artigas, D., Johansen, S. K., Mihalache, D. & Torner, L., 31. Oct 2006, In: *Physical Review B (Condensed Matter and Materials Physics)*. 74, 15, 155120.

Characterization of quasi-phase-matching gratings in quadratic media through double-pass second-harmonic power measurements

Johansen, S. K. & Baldi, P., 1. Jun 2004, In: *Journal of the Optical Society of America B: Optical Physics*. 21, 6, p. 1137-1145 9 p.

Engineering of spatial solitons in two-period QPM structures

Johansen, S. K., Carrasco, S., Torner, L. & Bang, O., 15. Mar 2002, In: *Optics Communications*. 203, 3-6, p. 393-402 10 p.

Escape angles in bulk $\chi^{(2)}$ soliton interactions

Johansen, S. K., Bang, O. & Sørensen, M. P., 1. Feb 2002, In: Physical Review E. 65, 2, 026601.

Soliton engineering with two-period QPM gratings

Johansen, S. K., Carrasco, S., Tomer, L. & Bang, O., 2002, *Nonlinear Guided Waves and Their Applications, NLGW 2002*. Optica Publishing Group, NLWC3. (Optics InfoBase Conference Papers).

Determination of escape angles in quadratic bulk experiments with two identical solitons

Johansen, S. K., Bang, O. & Sørensen, M. P., 2001, *Nonlinear Guided Waves and Their Applications, NLGW 2001*. Optica Publishing Group, p. 149-151 3 p. (Optics InfoBase Conference Papers).

Fusion arrest and collapse phenomena due to Kerr-nonlinearity in quadratic media

Johansen, S. K., Bang, O. & Sørensen, M. P., 1. Dec 2000, p. 99-101. 3 p.

Soliton interaction in quadratic and cubic bulk media

Johansen, S. K. & Bang, O., 1. Dec 2000. 1 p.

Fusion arrest and collapse phenomena due to Kerr-nonlinearity in quadratic media

Johansen, S. K., Bang, O. & Sørensen, M. P., 2000, *Nonlinear Optics: Materials, Fundamentals and Applications, NLO 2000*. Optica Publishing Group, p. 99-101 3 p. (Optics InfoBase Conference Papers).

Projects

Bæredygtigt design

Kjær Johansen, S. (Project participant) & Johansen, M. K. (Project participant)
01/01/2020 → 31/12/2020

Group Diversity and Innovative Performance

Kjær Johansen, S. (Project participant) & Hurford, D. (Project participant)
27/01/2022 → 31/12/2024

Students as change agents in grand societal challenges

Kjær Johansen, S. (Head coordinator)
01/08/2024 → 31/07/2026

Tværfaglige samarbejdskompetencer til værdiskabelse og bæredygtighed

Kjær Johansen, S. (Project participant), Løje, H. (Head coordinator), Sortland, B. (Project participant), Axelsson, S. (Project participant), Haahr, U. (Project participant), Brenna, S. J. (Project participant), Johannessen, A. (Project participant) & Beate Pettersen, I. (Project participant)
01/05/2020 → 31/08/2023

Tværuniversitært kursusforløb i innovations- og entreprenørskabsundervisning for undervisere og studieansvarlige

Kjær Johansen, S. (Project participant), Nørgård, C. (Project manager) & Hyldegård, J. S. (Project participant)
01/01/2020 → 31/12/2021

Underviser-Hackathon: Ny motor for udvikling af Innovations- og Entreprenørskabsundervisning på SDU

Kjær Johansen, S. (Project participant) & Nørgård, C. (Project manager)
01/01/2020 → 30/06/2021

Vind i bymiljøer: Udnyttelse af vinddynamik omkring bygningskonstruktioner

Kjær Johansen, S. (Project participant) & Winther-Gaasvig, M. (Project manager)
01/07/2014 → 30/06/2016

Activities

PhD defence - Kristine Wilhelm Lund (Event)

Kjær Johansen, S. (Chairman)
22. Aug 2024

PhD defence - Jeppe Foshammer (Event)

Kjær Johansen, S. (Chairman)
10. Aug 2023

Developing 21st Century Skills for a Sustainable Future through Interdisciplinary Education

Kjær Johansen, S. (Panel member)
27. Apr 2023

PhD defence - Azim Mohammad (Event)

Kjær Johansen, S. (Chairman)
12. Sept 2022

Diversity and team performance

Kjær Johansen, S. (Speaker) & Hurford, D. (Co-author)
16. Jun 2022 → 17. Jun 2022

On the role of the university: The emergence of entrepreneurship and innovation teaching at Danish universities

Kjær Johansen, S. (Speaker) & Hyldegård, J. S. (Co-author)
23. Jun 2021

Value creation across disciplines, traditions and culture

Hyldegård, J. S. (Speaker) & Kjær Johansen, S. (Co-author)
23. Jun 2021

On the right to vote

Kjær Johansen, S. (Speaker)
6. Mar 2020

Methodologies to develop students growth mindset

Johansen, S. K. (Speaker)
4. Dec 2018

Pursuing the good case for innovation learning

Johansen, S. K. (Speaker), Løje, H. (Speaker) & Keiding, V. (Speaker)
30. Nov 2018

Engineering Methodology Revisited

Johansen, S. K. (Speaker)
29. Nov 2018

Compulsory courses: How to make students take the hard pill

Johansen, S. K. (Speaker) & Hurford, D. (Speaker)
6. Nov 2018

Students' Reflections on Team Collaboration – TEK, Experts in Team Innovation, 2017

Johansen, S. K. (Speaker) & Hurford, D. (Speaker)
6. Nov 2018

The Impact Agenda for Social Sciences & Humanities 2018

Johansen, S. K. (Participant)
4. Oct 2018 → 5. Oct 2018

4th Conference on Interdisciplinary team skills in the 21st century

Johansen, S. K. (Chairman)
21. Jun 2018

4th Conference on Interdisciplinary team skills in the 21st century

Johansen, S. K. (Panel member)
20. Jun 2018 → 21. Jun 2018

Experts in Teams – A method for innovation teaching

Johansen, S. K. (Speaker)
13. Jun 2017

Experts in Teams – An experiential learning method

Johansen, S. K. (Speaker)
23. May 2017

On the impossibility of generally bringing core subject competences into play in innovation teaching

Johansen, S. K. (Speaker)
23. May 2017

The future role of our universities

Johansen, S. K. (Speaker)
4. Mar 2017

Experts in Teams – today, tomorrow, together

Kjær Johansen, S. (Chairman)
1. Jun 2016 → 2. Jun 2018

EIT - Experts in teams (External organisation)

Johansen, S. K. (Member)
2015 → ...

Press / Media

Nordjysk astronaut-aspirant: - Gå efter drømmen

Kjær Johansen, S.
21/02/2021
1 Media contribution

Klimaforsker opfordrer til lokal debat: - Kommunerne skal deltage i den grønne omstilling

Kjær Johansen, S.
14/02/2020
1 Media contribution

Tværfaglighed skaber værdi

Johansen, S. K.
26/01/2018
1 Media contribution

Handy Transportvogne indgår innovationssamarbejde med Syddansk Universitet

Johansen, S. K.

16/01/2018

1 Media contribution

Succesrigt innovationssamarbejde

Johansen, S. K.

04/01/2018

1 Media contribution

Sundt med nye øjne på rutinerne

Johansen, S. K.

03/01/2018

1 Media contribution

Handy Transportvogne indgår innovationssamarbejde med Syddansk Universitet

Johansen, S. K.

21/12/2017

1 Media contribution

Handy Transportvogne indgår innovationssamarbejde med Syddansk Universitet

Johansen, S. K.

21/12/2017

1 Media contribution

Afskaffelsen af PSO-afgiften kan bremse den grønne omstilling

Kjær Johansen, S.

17/11/2016

1 Media contribution

Afskaffelse af PSO-afgiften

Kjær Johansen, S.

17/11/2016

1 Media contribution

'Astronaut' smugtræner til Mars-rejse

Kjær Johansen, S.

20/04/2009

1 item of Media coverage

Venstres bagland vil se meget mere asfalt

Kjær Johansen, S.

20/01/2009

1 Media contribution

Ni kæmper om at blive dansk astronaut

Kjær Johansen, S.

10/06/2005

1 Media contribution

Teaching and supervision

Experts in Team Innovation

Kjær Johansen, S.

01/09/2015 → ...

Science Theory

Kjær Johansen, S.

01/02/2017 → ...