



Election of Department Management for 2021–24

Stephan Oepen & Ingrid Chieh Yu

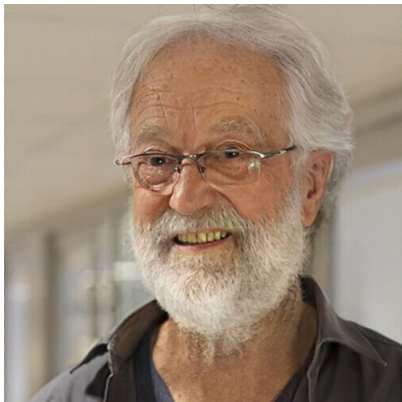
October 7, 2020



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- ▶ programme board manager Informatics: L & C (2010–13);
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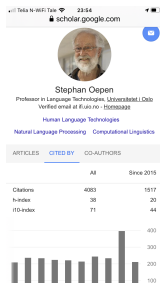
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- ▶ Syntactic and semantic **parsing** of natural language;
- ▶ ***n*-best** unpacking out of **weighted** and –or forests;
- ▶ parsing into **graph-structured target representations**.

Tela N-Wifi Tab 23:44
scholar.google.com



Stephan Oepen

Professor in Language Technologies, Universität zu Köln
Verified email at @uni-koeln.de · [Hoogle](#)

Human Language Technologies

Natural Language Processing Computational Linguistics

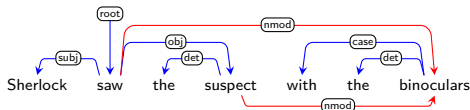
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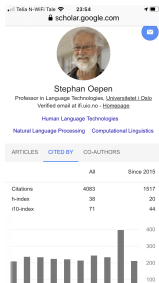
	All	Since 2015
Citations	4993	1517
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i10-index	71	44



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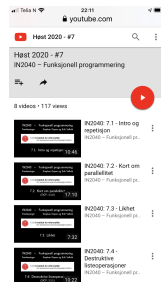


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Teaching & Supervision

- ▶ IN2040: **Functional Programming** (with Erik Velldal);
- ▶ IN5550: **Neural Methods in NLP** (Velldal, Øvrelid);
- ▶ ten complete dissertations and 20⁺ MSc candidates.





COLLEGIALITY

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QUALITY

COLLEGIALITY

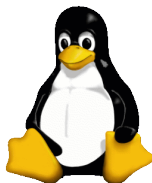
QUALITY

TRANSPARENCY

COLLEGIALITY

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Ingrid Chieh Yu: Key Facts



Picture: <https://pxhere.com/en/photo/1448079>

Cand. Scient. and Ph.D. from IFI

Industry experience

Associate Professor

SIRIUS Innovation Center

ASR, Programming Section

Ingrid Chieh Yu: Current Management Roles



Deputy director of SIRIUS SFI

Mentoring and Education coordinator

Established personal and career development programs
for junior researchers

Worked actively to increase mutual understanding and
cooperation between academia and industry



Picture: [Vkw.studiogood](#) (CC BY-SA 4.0)



Picture: Mirar85 (CC BY-SA 3.0)

Contributed in multiple department and faculty-level committees

Gender equality board

LAMU

INF:PRO

INF:PROSA

Programming subjects

Take part in national communities

My work has been featured in
Titan, Uniform, IFI's recruitment film

Method development within data-driven and model-driven approaches

Inter-disciplinary research in collaboration with the industry

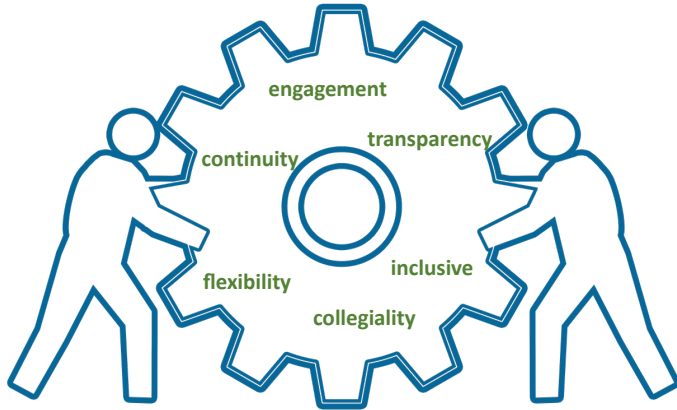
Participated in several externally founded projects. Site leader of the Horizon 2020 HyVAR project

Regularly co-taught Algorithms and Data Structures

Seminar teacher during my studies



Schlumberger Global SIS Forum



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**The
Department**

Handlingsplan 2019-2021 for Institutt for informatikk.

Planens forankring:

Denne handlingsplan reflekterer Instituttet for informatikk (Ifi) faglige og strategiske vurderinger, signaliserer hvilke mål instituttet har og i hvilken retning instituttet ønsker å utvikle seg. Planen følger videre opp sentrale punkter i strategiplanene til Det matematisk-naturvitenskapelige fakultet og Universitetet i Oslo.

Ifi har som universitetsinstitutt et særlig ansvar for utvikling og formidling av generisk kunnskap, men instituttet ønsker at dette kombineres med aktive bidrag til løsning av viktige samfunnsutfordringer av så vel nasjonal som internasjonal karakter. Sentrale verdier er å

- søke kvalitet i all virksomhet
- ha et tydelig ansvar for å møte samfunnsutfordringer
- søke en balanse mellom satsing på utvalgte spissmiljøer, sikring av utvikling og fornyelse i alle miljøer og fleksibilitet i forhold til nye initiativer
- gi bred og effektiv kunnskapsformidling til samfunnet, primært oppnådd gjennom kandidatene som utdannes
- ha en aktiv politikk for likestilling og en rekrutteringspolitikk som gir mangfold
- bidra til bærekraft, etisk refleksjon og danning
- være et åpent og inkluderende institutt for alle tilsatte og studenter uten hensyn til kjønn, etnisitet, religion, seksuell orientering, funksjonsevne og alder.

Handlingsplan 2019–2021 for Institutt for informatikk. **Editor in Chief: Knut Liestøl (Department Head 2013–16)**

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- ▶ **larger** initiatives; improve **doctoral completion**; international **mobility**.

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Teaching

- ▶ **immense growth** in students and programmes: at least 25 % since 2017;
- ▶ improve **processes**, documentation, and resource usage; **staff** increase.

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Life-Long Learning (*Etter- og videreutdanning*)

- ▶ Fast-growing demand by Norwegian **industry** and **public administration**;
- ▶ **broader** course portfolio, in **close partnership** with selected consumers.

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Innovation and Industry Collaboration

- ▶ Stable **partnerships** with Norwegian ICT industry and selected sectors.

A Few More Excerpts from the Current Strategy



Research

- ▶ Balance **longer-term** research and response to **immediate** societal needs;
- ▶ **larger** initiatives in research and development, international mobility.

Looking Beyond 2021

Teaching

- ▶ Much **research-based** teaching and life-long learning;
- ▶ **immediate** needs and funding mechanisms; since 2017;
- ▶ **coexistence**: distinct needs and funding mechanisms; increase.

Life-Long

- ▶ Fast-growing sectors; **stratification**;
- ▶ **broad** participation; consumers.

Innovation

- ▶ Stable sectors.



A Few More Excerpts from the Current Strategy



Research

- ▶ Balance **longer-term** research and response to **immediate** societal needs;
- ▶ **larger** initiatives, including those that have a **global** dimension and **international** mobility.

Looking Beyond 2021

Teaching

- ▶ Much **research-based** teaching and life-long learning;
- ▶ **immediate** **coexistence**: distinct needs and funding mechanisms; since 2017;
- ▶ improve **participation** beyond research group. increase.

Life-Long

- ▶ Fast-**stratification**;
- ▶ **broad** consumers.

Innovation

- ▶ Stable sectors.



4

**Moving
Forward**

Preliminary Thoughts on the Period 2021–24





Organizationally

- ▶ Organization by **sections** new in 2020: review;
- ▶ **fine-tune** (and document) divisions of labor;
- ▶ **management** of studies and doctoral board;
- ? additional **committees**, e.g. research strategy.



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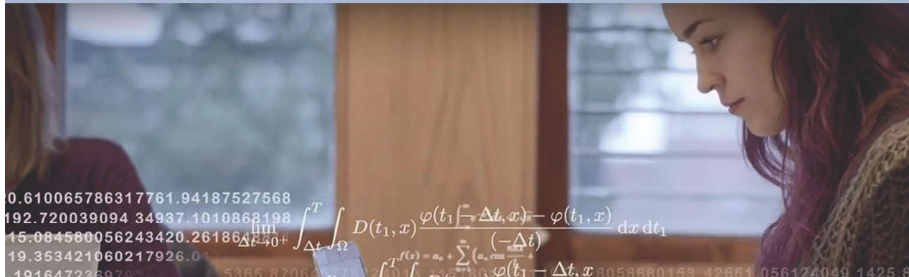
Culturally

- ▶ **Collective** sense of institutional **ownership**
~~researcher hotel, study point factory~~
- ▶ after the pandemic: IRL **social** interactions;
- ▶ transparency and efficiency: **documentation**.

5

**Upcoming
Developments**

ved
Det matematisk-naturvitenskapelige fakultet,
Universitetet i Oslo



Etablering av senter for *data science* og beregningsorientert vitenskap

Centre for Computational and Data Science

- ▶ Anticipated involvement of **multiple** IFI **groups**;
- ▶ active **participation**, without 'bleeding' own **core**.



Research in Information and Communication Technology in Norway

An evaluation

Evaluation
Division for Science

Scientific Evaluation of Computer Science in Norway

- ▶ Roughly **every ten years**; previous round was in 2011;
- ▶ **much** preparatory **work**; mixed feedback and utility.



NOU

Norges offentlige utredninger **2019:12**

Lærekraftig utvikling

Livslang læring for omstilling og konkurranseevne



NOU

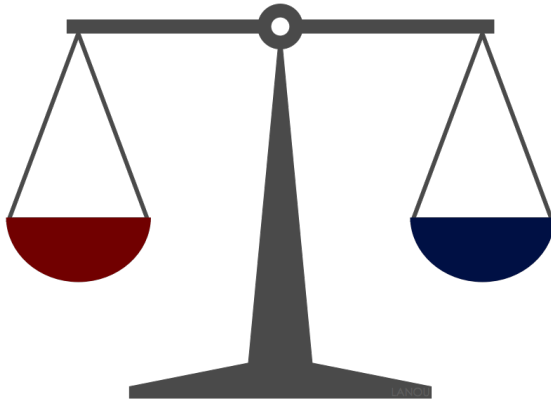
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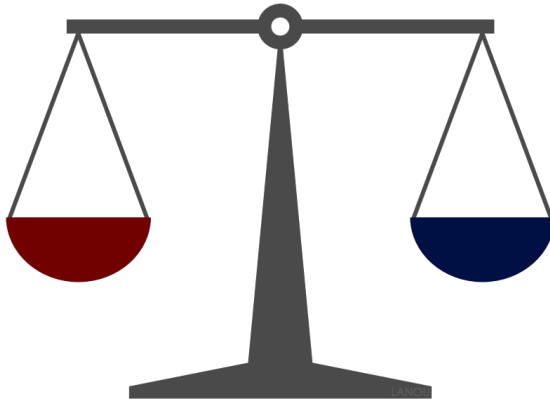
Evolving Politics for Higher Education

- ▶ Anticipated *Melding til Stortinget* on life-long learning.



In Conclusion

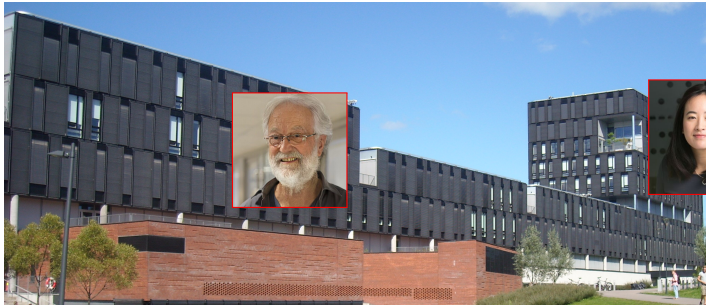




We Will be Listening

- ▶ 'Get-to-know' **visits** with all research groups and administrative units;
- ▶ involvement and transparency: voices from **all layers of the department**.

Please Stop by and Talk to Us



Please Stop by and Talk to Us

