

JEAN-GABRIEL YOUNG

Assistant Professor

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RESEARCH INTERESTS: Computational Statistics, Complex Systems, Forecasting, Epidemiology

PROFESSIONAL EXPERIENCE

- *University of Vermont*, Assistant Professor, [Department of Mathematics and Statistics](#)^{*} 2021–
- *Université Laval*, Professeur Associé [Département de Physique](#) 2020–
- *University of Vermont*, Research Assistant Professor, [Department of Computer Science](#) 2020–2021
- *University of Michigan*, Postdoctoral Fellow, [Center for the Study of Complex Systems](#) 2018–2020
- *Université Laval*, Research Assistant, [Group of Prof. Louis. J. Dubé](#) 2012–2018

EDUCATION

- Ph.D. in Physics*, *Université Laval* 2014–2018
- *Thesis title*: Inférence et réseaux complexes [†]
 - *Advisors*: Louis J. Dubé and Patrick Desrosiers
- M.Sc. in Physics*, *Université Laval* 2012–2014
- *Thesis title*: De la détection de la structure communautaire des réseaux complexes [‡]
 - *Advisors*: Louis J. Dubé
- B.Sc. in Physics*, Theoretical Physics major, *Université Laval* 2009–2012

SCHOLARSHIPS, GRANTS AND AWARDS

Fellowships and Scholarships

- *Postdoctoral Fellowship in Studying Complex Systems*, [James S. MacDonnell Foundation](#) (\$200,000) 2017
- *Doctoral Research Scholarship*, [Fonds de recherche du Québec – Nature et Technologies](#) (\$60,000) 2014

Grants

- [NSF](#). “Altruistic stress, economic networks, and endogenous organizational change” (\$399,653, co-PI) 2024
- [NSF](#). “Contagion on Complex Social Systems Conference” (\$47,838, PI) 2023
- *James Jeffords Grant*, [University of Vermont](#). “Vermont Open Source Connector” (\$4,600, PI) 2023
- *OVPR Express Grant*, [University of Vermont](#). “Choice Theory in Networks Workshop” (\$3,000, PI) 2021
- *YRNCS Bridge Grant*, [YRCS](#). “Simplicial Configuration Models” (€1,000, PI) 2016

Awards

- *FOSS Award*, 2021 Mining Software Repositories Conference 2021
- *Zachary Karate Club Club* award 2021
- *Best oral presentation award*, [NERCCS 2020](#) 2020
- *Board of Honour* (Highest overall mark award by all committee members), Ph.D thesis, *Université Laval* 2018
- *Concours d'expression scientifique Pierre Amiot*, [Physics Department, Université Laval](#) 2016

^{*}Secondary appointment with: Vermont Complex Systems Center, Larner College of Medicine, Department of Computer Science

[†]Inference and complex networks

[‡]Of community structure detection on complex networks

PUBLICATIONS


Peer-reviewed journals

36. [Reconstructing networks from simple and complex contagions](#) 2024
N. W. Landry, W. Thompson, L. Hébert-Dufresne, and **J.-G. Young**
Phys. Rev. E 110, L042301
35. [Network compression with configuration models and the minimum description length](#) 2024
L. Hébert-Dufresne, **J.-G. Young**, A. Daniels, and A. Allard
Phys. Rev. E 110, 034305
34. [The simpliciality of higher-order networks](#) 2024
N. W. Landry, **J.-G. Young**, and N. Eikmeier
EPJ Data Sci. 13, 17
33. [Hypergraph reconstruction from uncertain data](#) 2023
S. Lizotte, **J.-G. Young**, and A. Allard
Sci. Rep. 13, 21364
32. [Accurately summarizing an outbreak using epidemiological models takes time](#) 2023
B. K. M. Case, **J.-G. Young**, and L. Hébert-Dufresne
R. Soc. Open Sci. 10, 230634
31. [Opposing responses to scarcity emerge from functionally unique sociality drivers](#) 2023
A. B. Kao, A. K. Hund, F. P. Santos, **J.-G. Young**, D. Bhat, J. Garland, R. A. Oomen, and H. F. McCreery
Am. Nat. 202, 3
30. [Exact and rapid linear clustering of networks with dynamic programming](#) 2023
A. Patania, A. Allard, and **J.-G. Young**
Proc. R. Soc. A 479, 2275
29. [Compressing network populations with modal networks reveals structural diversity](#) 2023
A. Kirkley, A. Rojas, M. Rosvall, and **J.-G. Young**
Commun. Phys. 6, 148
28. [Latent network models to account for noisy, multiply-reported social network data](#) 2023
C. De Bacco, M. Contisciani, J. Cardoso-Silva, H. Safdari, D. Theuerkauf, T. Sweet, **J.-G. Young**, J. Koster, C. Ross, R. McElreath, D. Redhead, and E. A. Power
J. R. Stat. Soc. A 186, 355–375
27. [Spatial epidemiology and adaptive targeted sampling to manage the Chagas disease vector *Triatoma dimidiata*](#) 2022
B. K. M. Case, **J.-G. Young**, D. Penados, L. Hébert-Dufresne, and L. Stevens
PLOS Negl. Trop. Dis. 16, e0010436
26. [Impact and dynamics of hate and counter speech online](#) 2022
J. Garland, K. Ghazi-Zahedi, **J.-G. Young**, L. Hébert-Dufresne, and M. Galesic
EPJ Data Sci. 11, 3
25. [Clustering of heterogeneous populations of networks](#) 2022
J.-G. Young, A. Kirkley, and M. E. J. Newman
Phys. Rev. E 105, 014312
24. [Reconstruction of plant–pollinator networks from observational data](#) 2021
J.-G. Young, F. S. Valdovinos, and M. E. J. Newman
Nat. Commun. 12, 3911
23. [Hypergraph reconstruction from network data[§]](#) 2021
J.-G. Young, G. Petri, and T. P. Peixoto
Commun. Phys. 4, 135
22. [A clarified typology of core-periphery structure in networks](#) 2021
R. J. Gallagher, **J.-G. Young**, and B. Foucault Welles
Sci. Adv. 7, eabc9800
21. [Bayesian inference of network structure from unreliable data](#) 2021
J.-G. Young, G. T. Cantwell, and M. E. J. Newman
J. Complex. Netw. 8, cnaa046

[§]Appears in the Focus Collection on Higher-order Interaction Networks

20. Inference, model selection, and the combinatorics for growing trees 2021
G. T. Cantwell, G. St-Onge, and **J.-G. Young**
Phys. Rev. Lett. 126, 038301
19. Networks beyond pairwise interactions: structure and dynamics (*review*) 2020
F. Battiston, G. Cencetti, I. Iacopini, V. Latora, M. Lucas, A. Patania, **J.-G. Young**, and G. Petri
Phys. Rep. 874
18. Improved mutual information measure for classification and community detection 2020
M. E. J. Newman, G. T. Cantwell, and **J.-G. Young**
Phys. Rev. E 101, 042304
17. Macroscopic patterns of interacting contagions are indistinguishable from social reinforcement 2020
L. Hébert-Dufresne, S. V. Scarpino, and **J.-G. Young**
Nat. Phys. 16, 426
16. Phase transition in the recoverability of network history 2019
J.-G. Young, G. St-Onge, E. Laurence, C. Murphy, L. Hébert-Dufresne, and P. Desrosiers
Phys. Rev. X 9, 041056
15. Efficient sampling of spreading processes on complex networks using a composition and rejection algorithm 2019
G. St-Onge, **J.-G. Young**, L. Hébert-Dufresne, and L. J. Dubé
Comput. Phys. Commun. 240, 30
14. Universality of the stochastic block model 2018
J.-G. Young, G. St-Onge, P. Desrosiers, and L.J.Dubé
Phys. Rev. E 98, 032309
13. Exact analytical solution of irreversible binary dynamics on networks 2018
E. Laurence, **J.-G. Young**, S. Melnik, and L.J.Dubé
Phys. Rev. E 97, 032302
12. Phase transition of the susceptible-infected-susceptible dynamics on time-varying configuration model networks 2018
G. St-Onge, **J.-G. Young**, E. Laurence, C. Murphy, and L. J. Dubé
Phys. Rev. E 97, 022305
11. Construction of and efficient sampling from the simplicial configuration model 2017
J.-G. Young, G. Petri, F. Vaccarino, and A. Patania
Phys. Rev. E 96, 032312
10. Strategic tradeoffs in competitor dynamics on adaptive networks 2017
L. Hébert-Dufresne, A. Allard, P.-A. Noël, **J.-G. Young**, and E. Libby
Sci. Rep. 7, 7576
9. Finite size analysis of the detectability limit of the stochastic block model 2017
J.-G. Young, P. Desrosiers, L. Hébert-Dufresne, E. Laurence, and L. J. Dubé
Phys. Rev. E 95, 062304
8. Growing networks of overlapping communities with internal structure 2016
J.-G. Young, L. Hébert-Dufresne, A. Allard, and L. J. Dubé
Phys. Rev. E 94, 022317
7. Constrained growth of complex scale-independent systems [¶] 2016
L. Hébert-Dufresne, A. Allard, **J.-G. Young**, and L. J. Dubé
Phys. Rev. E 93, 032304
6. Complex networks as an emerging property of hierarchical preferential attachment 2015
L. Hébert-Dufresne, E. Laurence, A. Allard, **J.-G. Young**, and L. J. Dubé
Phys. Rev. E 92, 062809
5. General and exact approach to percolation on random graphs 2015
A. Allard, L. Hébert-Dufresne, **J.-G. Young**, and L. J. Dubé
Phys. Rev. E 92, 062807
4. A shadowing problem in the detection of overlapping communities 2015
J.-G. Young, A. Allard, L. Hébert-Dufresne, and L. J. Dubé
PLOS ONE 10, e0140133

[¶]Editors' suggestion

3. [Coexistence of phases and the observability of random graphs](#)  2014
A. Allard, L. Hébert-Dufresne, **J.-G. Young**, and L. J. Dubé
Phys. Rev. E 89, 022801
2. [Percolation on random networks with arbitrary \$k\$ -core structure](#) 2013
L. Hébert-Dufresne, A. Allard, **J.-G. Young**, and L. J. Dubé
Phys. Rev. E 88, 062820
1. [Global efficiency of local immunization on complex networks](#) 2013
L. Hébert-Dufresne, A. Allard, **J.-G. Young**, and L. J. Dubé
Sci. Rep. 3, 2171

Peer-reviewed conference proceeding

5. [Cutting through the noise to infer autonomous system topology](#) 2022
K. G. Leyba, J. J. Daymude, **J.-G. Young**, M. E. J. Newman, J. Rexford, and S. Forrest
INFOCOM 2022, Proceedings of the 2022 IEEE International Conference on Computer Communications, pp. 1609–1618.
4. [The OCEAN mailing list data set: Network analysis spanning mailing lists and code repositories](#) 2022
M. Warrick, S. F. Rosenblatt, **J.-G. Young**, L. Hébert-Dufresne, and J. P. Bagrow
MSR 2022, Proceedings of the 19th International Conference on Mining Software Repositories
3. [Which contributions count? Analysis of attribution in open source](#) 2021
J.-G. Young, A. Casari, K. McLaughlin, M. Z. Trujillo, L. Hébert-Dufresne, and J. P. Bagrow
MSR 2021, Proceedings of the 18th International Conference on Mining Software Repositories
2. [Countering hate on social media: Large scale classification of hate and counter speech](#) 2020
J. Garland, K. Ghazi-Zahedi, **J.-G. Young**, L. Hébert-Dufresne, and M. Galesic
ACL 2020, Proceedings of the Fourth Workshop on Online Abuse and Harms, pp. 102–112.
1. [Connected graphs with a given degree sequence: Efficient sampling, correlations, community detection and robustness](#) 2020
J. Ring IV, **J.-G. Young**, and L. Hébert-Dufresne.
NetSci-X 2020, Proceedings of NetSci-X 2020: Sixth International Winter School and Conference on Network Science, pp. 33–47.

Other edited works

2. [Book review: Advances in Network Clustering and Blockmodeling](#) 2022
J.-G. Young
J. Soc. Struct. 23, 47
1. [Open source ecosystems need equitable credit across contributions](#) 2021
A. Casari, K. McLaughlin, M. Z. Trujillo, **J.-G. Young**, J. P. Bagrow, and L. Hébert-Dufresne
Nat. Comput. Sci. 1, 2

Preprints in submission (4)

- [The network epidemiology of an Ebola epidemic](#)
L. Hébert-Dufresne, **J.-G. Young**, J. Bedson, L. Skrip, D. Pedi, M. F. Jalloh, B. Raulier, O. Lapointe-Gagné, A. Jambai, A. Allard, and B. Althouse
arXiv:2111.08686
- [The promise of trans-species coexpression analysis in studying the coevolution and ecology of host-parasite interactions.](#)
A. Hund, P. Tiffin, **J.-G. Young**, and D. Bolnick
arXiv:2206.12711
In revision, *Evolution*
- [Symmetry-driven embedding of complex networks in hyperbolic space](#)
S. Lizotte, **J.-G. Young**, and A. Allard
arXiv:2406.10711
- [Governance as a complex, networked, democratic, satisfiability problem](#)
L. Hébert-Dufresne, N. W. Landry, J. Lovato, J. St-Onge, **J.-G. Young**, M.-E. Couture-Ménard, S. Bernatchez, C. Choquette, and A. A. Cohen
arXiv:2412.03421
Submitted, *npj Complexity*

TEACHING AND MENTORING

Instructor

- STAT-6300: *Bayesian Statistics* F2021, F2022, F2023, F2024
- STAT-6990: *Statistical Network Analysis* S2022, S023
- CS-3993: *Independent Study: Machine Learning with graphs* F2023
- STAT-2510: *Applied Probability* F2024
- CSYS-6993: *Independent Study: Information, Physics, and Computation* F2024

Schools and guest lectures

- [CSYS/CS 302](#): Modeling Complex Systems, University of Vermont, Burlington VT, 2020, 2021
- [CNWW](#): Complex Networks Winter Workshop, Québec, Canada 2020, 2023
- [CRM Summer School](#): Spectral Theory and Applications, Québec, Canada 2016

Supervision

- Postdoctoral fellows:
 - ◊ Nicholas W. Landry, University of Vermont 2022–2024
- Ph.D. students:
 - ◊ William H. Thompson, University of Vermont 2024–
 - ◊ Simon Lizotte, Université Laval (co-direction with Antoine Allard) 2022–
 - ◊ Jonathan St-Onge, University of Vermont 2022–
 - ◊ Nicholas J. Robert, University of Vermont 2021–
 - ◊ B. K. M. Case, University of Vermont 2021–2023
- Master's students:
 - ◊ Aviral Chawla, University of Vermont 2022–2024
 - ◊ Erik Weis, University of Vermont 2021–2023
 - ◊ Simon Lizotte, Université Laval (co-direction with Antoine Allard) 2020–2022
- Undergraduate students:
 - ◊ Erin Silver (Research Intern), University of Vermont Summer 2024
 - ◊ Nathan Blanchard (Honors Thesis), University of Vermont AY 24/25
 - ◊ Trevor Blanchard (Honors Thesis), University of Vermont AY 22/23

INVITED TALKS AND SELECTED CONFERENCE CONTRIBUTIONS

- “Message passing for intervention design in networks.” 2024
[QMDN24](#), Los Alamos, NM (invited talk)
- “Bayesian framework for inference on heterogenous waste-water networks.” 2024
[NetSci 2024](#), Québec, Canada (contributed talk)
- “Complex or simple? Determining a contagion's type from observational data.” 2024
[WDPCN24](#), São Paulo, Brazil (invited talk)
- “What can we learn from low-dimensional representations of networks?” 2024
 - ▷ [NetSI](#), Boston MA, USA (invited seminar)
 - ▷ [Interaction Data Lab](#), Paris, France (invited seminar)
- “Modeling the Spread of *Clostridioides Difficile* in Hospitals” 2023
[SIAM DS23](#), Portland, OR, USA (talk)
- “Quantifying Contagion Complexity” 2023
[Dynamics of Interacting Contagions](#) – Santa Fe Institute, NM, USA (talk)

- *“Statistical Modeling and Inference for Higher-Order Network Science”* 2023
KAIS-Vermont Workshop, Seoul, Korea (invited talk)
- *“Uncertain Network Science”* 2021–2023
 - ▷ Channing Network Science Seminar, Boston MA, USA (invited seminar)
 - ▷ NERCCS 2022 conference, Buffalo, NY, USA (invited plenary)
 - ▷ University of Vermont — Mechanical Engineering Seminars, Burlington VT, USA (invited seminar)
 - ▷ Central European University–Department of Network and Data Science, online (invited seminar)
 - ▷ CNRS, Centre d’Écologie Fonctionnelle et Évolutive, Montpellier, France (invited talk)
 - ▷ University of Maastricht – Department of Data Analytics and Digitalisation, Maastricht, Netherlands (invited seminar)
- *“Which contributions count? Analysis of attribution in open source”* 2021–2022
 - ▷ MSR2021, online (talk)
 - ▷ BTV Data Science Meet-up, Burlington, VT, USA (talk)
- *“Inference with growing networks”* 2021
CNWW2020, online (invited talk)
- *“Bayesian approaches to network epidemiology”* 2020
HONS 2020, online (invited talk)
- *“Paper Unwind: Network archaeology”* 2020
School of the NERCCS 2020 conference, Buffalo, NY, USA (invited talk)
- *“Efficient and fully bayesian inference of complex networks from noisy data”* 2019–2020
 - ▷ Indiana University — CNETS, Bloomington, IN, USA (invited seminar)
 - ▷ Université Laval — CIMMUL, Québec, QC, Canada (invited seminar)
 - ▷ Netsci-X 2020, Tokyo, Japan (talk)
 - ▷ NERCCS 2020, Buffalo, NY, USA (talk, best presentation award)
 - ▷ University of Michigan — Jacobs Lab (UMSI), Ann Arbor MI, USA (invited seminar)
 - ▷ Indiana University — Betzel Lab, Bloomington, IN, USA (invited seminar)
 - ▷ Netsci 2020, online (talk)
- *“Compression of treelike complex networks using layered configuration models”* 2019
Netsci 2019, Burlington, VT, USA (talk)
- *“Bayesian inference of effective contagion models from population level data”* 2019
SINM 2019, Burlington, VT, USA (talk)
- *“Universality of the stochastic block model”* 2019
SYNS Warm-up Event 2019, Burlington, VT, USA (invited talk)
- *“The statistical physics of inference for Complex Networks”* 2018
Department of Physics Colloquium Oakland University, Rochester, MI, USA (invited seminar)
- *“Network archaeology: phase transition in the recoverability of network history”* 2018
 - ▷ Univeristy of Colorado Boulder — StatOptML seminar, Boulder, CO, USA (invited seminar)
 - ▷ Univeristy of Vermont — Vermont Complex Systems Center, Burlington, VT, USA (invited seminar)
 - ▷ Netsci 2018, Paris, France (talk)
 - ▷ Sentinel North 2018 Annual Meeting, Québec, Canada (plenary)
 - ▷ Univeristy of Bath — Centre for Networks and Collective Behaviour, Bath, UK (invited seminar)
 - ▷ Connected Past 2018, Oxford, UK (talk)
- *“Construction of and efficient sampling from the simplicial configuration model”* 2017
 - ▷ HONS 2017, Indianapolis, IN, USA (invited talk)
 - ▷ Indiana University — School of Informatics, Bloomington, IN, USA (invited seminar)
 - ▷ University of Michigan — Center for the Study of Complex Systems, Ann Arbor, MI, USA (invited talk)
- *“Statistical mechanics of mesoscopic structure extraction”* 2017
Netsci 2017, Indianapolis, IN, USA (talk)
- *“Finite size analysis of the detectability limit of the stochastic block model”* 2016
 - ▷ Netsci 2016, Seoul, Korea (lightning talk)
 - ▷ SINM 2016, Seoul, Korea (talk)
 - ▷ ISI Foundation, Torino, Italy (invited seminar)
- *“Structural preferential attachment: scale-free benchmark for overlapping community detection algorithms”* 2015
Netsci 2015, Zaragoza, Spain (poster)

- “*Structural preferential attachment of community structure and its relation to Dunbar’s number*” 2014
Netsci 2014, Berkeley, CA, USA (talk)
- “*Complex networks are an emerging property of hierarchical preferential attachment*”^{||} 2014
NetSci 2014 Science, Berkeley, CA, USA (poster)
- “*Local and global solutions to community detection: when resolution matters*” 2013
NetSci 2013, Copenhagen, Denmark (poster)

LEADERSHIP AND SERVICE

Organizer

- Program Chair, [NetSci 2024](#) (School and Conference on Network Science) 2024
- Co-director, [CNWW2023](#), Complex Networks Winter Workshop, Québec, Canada 2023
- Chair, [CCSS23](#) (Contagion on Complex Social Systems) 2023
- Organizer, [SINM](#) (Statistical Inference for Network Models) 2021, 2022, 2023
- Satellite location organizer (UVM), [NERCCS 2022](#) 2022
- Organizer, [SIAM DS 21 Mini-Symposium on Dynamics in Higher-Order Networks](#), online 2021
- Co-director, [CNWW2021](#), Complex Networks Winter Workshop, Québec, Canada 2021
- Program co-chair, First [OpenNetSci Hackathon](#), Burlington VT, USA 2019
- Adjacent Activities Committee, [NetSci 2019](#), Burlington VT, USA 2019

Service

- AUR Maintainer, Several python packages ongoing
- Contributor, Several open-source projects ongoing
- Seminar chair, [STAT@UVM](#) 2022–
- Seminar chair, [Vermont Complex Systems Center](#) 2021–2023
- Board member, Student Investment Fund, Université Laval 2013–2016
- Technical Director, [Coupe de Science](#) (Science Cup), Université Laval 2011–2014
- Technical Director, [Festival de Sciences et Génies](#) (Science and Engineering Festival) 2010–2012

Reviewer

- Grants: Panelist, NSF, IIS Division (2019).
- Journals (34): [Science Advances](#), [Nature Communications](#), [SIAM Review](#), [Physical Review X](#), [Physical Review Letters](#), [Psychological Methods](#), [PLOS Computational Biology](#), [JMIR Public Health Surveillance](#), [The Annals of Applied Statistics](#), [Physical Review E](#), [Physical Review Research](#), [EPJ Data Science](#), [Scientific Data](#), [Cambridge Elements](#), [EPL](#), [Journal of Open Source Software](#), [Journal of Physics: Complexity](#), [Journal of Physics A](#), [Journal of Applied and Computational Topology](#), [NPJ Complexity](#), [Scientific Reports](#), [PLOS Complex Systems](#), [PLOS ONE](#), [Palgrave Communications](#), [Journal of Complex Networks](#), [Physics Letter A](#), [Chaos Solitons & Fractals](#), [Entropy](#), [Network Science](#), [Animal Behaviour](#), [Applied Network Science](#), [Knowledge and Information Systems](#), [Journal of Computational Science](#), [Chaos](#).

Program committee

- Northeast Regional Conference on Complex Systems ([NERCCS](#)) 2020, 2021, 2022
- International School and Conference on Network Science ([NetSci](#)) 2019, 2020, 2023, 2024(X), 2025
- International Conference on Complex Networks and their Applications 2023
- SIAM Workshop on Network Science ([SIAM NS](#)) 2018, 2020

PhD thesis committees

- [Damin Zhu](#), Statistics. Advisor: Jeffrey S. Buzas 2023
- [Michael Arnolds](#), Complex Systems. Advisor: Peter Dodds 2023

^{||} Outstanding poster award

- *Samuel Rosenblatt*, Computer Science. Advisor: Laurent Hébert-Dufresne 2024
- *Mariah Bourdreau*, Mathematics. Advisor: Laurent Hébert-Dufresne 2024
- *Nicolò Ruggeri* (ETH), Machine Learning and Network Science. Advisor: Caterina de Bacco 2024

SELECTED SOFTWARE

(Complete list available online)

- Bayesian inference of networks from noisy data (stan)
- Bayesian inference of effective contagion models from population level data (stan)
- Reconstruction of plant–pollinator networks from observational data (stan + python)
- Sequential MC sampler for Network Archaeology (python + C++)
- MCMC sampler for the Simplicial Configuration Model (C++)
- MCMC sampler for the Stochastic Block Model (C++)
- Structural Preferential Attachment community detection benchmark (C++)

VARIA

Selected media coverage

- “*Are ideas contagious?*.” Phys.org 2024
- “*A selection of 2020’s highlighted research.*” Nature 2021
- “*To find the right network model, compare all possible histories.*” Phys.org 2021
- “*Fighting Hate Speech with AI & Social Science,*” Complexity Podcast 2020
- “*How you talk about coronavirus actually impacts its spread,*” cnet 2020
- “*Neue Studie zeigt Wirksamkeit von Gegenrede im Netz,*” netzpolitik.org 2020
- “*When coronavirus is not alone,*” Phys.org 2020
- “*The shape of randomness.*” Physics Central 2017
- “*What algae can tell us about political strategy.*” Phys.org 2017
- “*L’univers complexe de Jean-Gabriel Young.*” Le Soleil (French) 2017