DATE: November 20, 2025

TO: Full-Time Tenured/Tenure-Track Faculty

FROM: Kathleen Weaver
Interim Executive Vice President and Provost

SUBJECT: Faculty Service Report - Calendar Year 2025

Below please find your Faculty Service Report form for the calendar year 2025. This form is also available at https://academics.lmu.edu/ofd/promotionsfsr/. This form is intended to help you document your achievements during the past year and, when completed, will provide the basis for your evaluation by your department Chair and Dean. If you are serving as a department Chair or Associate Dean, then the completed 2025 Faculty Service Report is due to your Dean or their designee.

The suggested page limit is either 6-pages or defer to your college's page limits. Faculty may also receive a specific reporting format required by their Dean.

Each department Chair and Dean will evaluate the faculty member's total contribution. This will provide an opportunity for you to reflect upon your total contribution to the University, among your peers, and within your discipline or field during the year, and to consider any areas where you would like to increase your involvement.

As per Faculty Handbook (III.A), faculty who do not submit an FSR will be ineligible for merit pay. This would include any faculty compensation tied to merit, such as has been stipulated in past equity increases. A specific timetable follows to inform your completion of the report for discussion with your department Chair. Please meet the specific dates in the timetable, to allow preparation of the 2026-2027 contracts on schedule.

- **February 5, 2026:** Completed 2025 Faculty Service Report due to your department Chair (or to your Dean/their designee if you are serving as department Chair or Associate Dean).

- **February 11 – March 9, 2026:** "The department Chair will meet privately with each member of the faculty to review services through the past year. At this meeting the department Chair will discuss the faculty member's self-evaluation and service as described in the Faculty Service Report. The department Chair will comment on the faculty member's overall performance. No determination as to merit is to be made at this meeting. Merit recommendations will be made only after the review of all department faculty." (Faculty Handbook, 2025, III. C. b., pg.16)

  At least two business days prior to the meeting with an individual faculty member, the department Chair will provide the faculty member with a

written report and evaluation. After the meeting, the department Chair and individual faculty member are expected to sign and date the written report and evaluation to acknowledge that a discussion of the written report and evaluation took place. The department Chair will provide a copy of the written report and evaluation signed by both parties to the individual faculty member for their records and will also forward to the Dean. If the individual faculty member does not want to provide a signature on the written report and evaluation, then they are asked to provide a letter of dissent which should be signed and attached to the written report and evaluation.

- **February 11 – March 20, 2026:** "The department Chair will meet with the Dean and discuss the evaluation and ranking for each member of the department and the merit recommendations to be made to the Provost." (Faculty Handbook, 2025, III. C. c., pg. 16)

  "The Dean will review the recommendations of all department Chairs and will recommend the amount of merit to be given to each member of the faculty." (Faculty Handbook, 2025, III. C. d., pg. 16)

  If the Dean's recommendation to the Provost differs from the Chair's recommendation, the Dean must notify the faculty member in writing before making a recommendation to the Provost.

  March 20, 2026: Dean sends merit recommendations to Provost.

Teaching / Advising

Semester	Course Number	Enrollment	Units
Spring 2025	CMSI 2130	23	4
Spring 2025	CMSI 6998	6	3
Fall 2025	CMSI 2130	12	4
Fall 2025	CMSI 2130	38	4

In 2025, my teaching and advising activities expanded significantly. I taught three sections of Algorithms & Analysis and launched a new graduate special topics course on Decentralized Algorithms. My advising efforts resulted in multiple student presentations at national and international conferences, and I hired several undergraduate and graduate research assistants through external grant funding. These activities directly support LMU's mission by fostering inclusive, research-driven education and providing students from diverse backgrounds with opportunities to engage in cutting-edge scholarship.

Teaching Activities

- **Taught:** *Algorithms & Analysis* (CMSI 2130) in both Spring and Fall 2025 semesters

- **Designed and Taught New Graduate Course:** *Online and Decentralized Algorithms* (CMSI 6998) in Fall 2025, integrating theoretical foundations with real-world applications in distributed systems

- **Pre-College Summer Program:** Ran a two-week "Python for AI-Powered Applications" course (June 23–July 3, 2025) for LMU's pre-college summer program, introducing high school students to programming and AI concepts

Course Evaluation Summary

Across 4 course sections with 54 student responses (68% response rate):

Course	Responses	Rate	Effectiveness (SD)
Spring 2025 – CMSI 2130	13/23	57%	4.08 (1.19)
Spring 2025 – CMSI 6998	5/6	83%	5.00 (0.00)
Fall 2025 – CMSI 2130 (Sec 01)	11/12	92%	4.73 (0.65)
Fall 2025 – CMSI 2130 (Sec 02)	25/38	66%	4.36 (0.99)
Aggregate	**54/79**	**68%**	**4.43 (0.96)**

Highest-rated areas (aggregate):
- Learning outcomes effectively addressed: 4.67/5.0 (SD: 0.73)
- Learning outcomes clearly stated: 4.63/5.0 (SD: 0.65)
- Instructor accessible for discussions: 4.59/5.0 (SD: 0.66)

Advising and Mentorship

Student Researchers

Name	Dates	Current Projects	Publications & Notes
Harsh Devisha	Fall 2025	Cooperative mobile agent algorithms	Graduate Research Assistant
Mohammadali Khodabandehlou	Ongoing	Dynamic IoT task graph scheduling	[1]; Co-advised (USC Ph.D.)
Jason Chamorro	Jan 2025–	Stochastic/online scheduling	[2] (lead author); LMU Symposium
Diego Cuadros	Ongoing	LLMs for Endangered Language Translation	[3]; LMU Symposium poster
Nick Leeds	Feb 2025–	LLMs for Endangered Language Translation	—
Gabriel Twigg-Ho	Fall 2024–	Dynamic scheduling problems	[2] (co-author); Exchange student
Matias Martinez Gonzalez	Sep 2025–	Task Duplication in Scheduling	—
Nicholas Laus	Sep 2025–	Integrating SAGA with Parsl	—

Graduate   Undergraduate

Mission Contributions

- Mentored students from underrepresented groups and fostered an inclusive research environment
- Hired research assistants through external grant funding, providing paid research opportunities
- Supported student travel to present at conferences, including SC25 (Atlanta) through grant funding; Diego Cuadros presented at NAACL (Albuquerque) with Seaver College support

Scholarship / Research / Creative Works

In 2025, my research program advanced across three research areas: task graph scheduling algorithms, AI for endangered language preservation, and algorithms for cooperative mobile agents. I secured my first NSF grant as PI ($150,000) and a second NSF conference grant ($50,000), published and presented papers at top venues including SIROCCO, IPDPS, JSSPP, CCCG, and SC, and submitted proposals totaling over $700,000. My research directly involves students at all levels and addresses societal challenges through technology (e.g., using AI to support Indigenous language revitalization). These efforts align with LMU's mission to address societal challenges, promote interdisciplinary collaboration, and foster student involvement in impactful research.

Grants and Proposals

Grant/Proposal	Amount	Role	Date	Description
NSF CRII	$150,000	PI	Jul 2025	[4]; First NSF grant as PI
NSF Conference Grant	$50,000	PI	Aug 2025	[5]
OpenAI API Credits	$1,000	PI	Jan 2025	LLMs for Endangered Language Preservation
NSF DLI-DEL	$229,501	PI	Sep 2025	LLMs and Endangered Language Preservation; LMU lead ($450K total)
MAIDAS Subaward	$150,000	Co-PI	Dec 2025	Co-design lead on $30M platform proposal (5 years)
Amazon AWS Think Big	$50,000	PI	Nov 2025	AI and language research
Schmidt Sciences	—	PI	Apr 2025	Humanities and AI Virtual Institute (2 EOIs)
Imminent Grant	$20,000	PI	Aug 2025	Endangered language translation research

Awarded   Pending   Not Awarded

Total Awarded (2025): $201,000   **Total Pending:** $429,501+

Publications and Submissions

Title	Type	Venue	Submitted	Decision	Presented
Power of Knowledge in Linear Search [6]	Journal	JCSS	Aug 2025	Dec 2025	—
Multimodal Search on a Line (extended)	Journal	Algorithmica	Sep 2025	—	—
Multimodal Search on a Line [7]	Conf	SIROCCO	—	Feb 2025	J. Coleman (Jun 3)
PISA: Adversarial Task Graph Scheduling [8]	Conf	IPDPS	—	—	J. Coleman (Jun 5)
Algorithmic Components in Scheduling [9]	Conf	JSSPP	Feb 2025	Mar 2025	J. Coleman (Jun 4)
Scheduling in Tactical Edge Cloud [10]	Conf	ICMCIS	Jan 2025	Feb 2025	Co-author
Linear Search w/ Probabilistic Detection [11]	Conf	IWOCA	Mar 2025	—	Co-author
Optimal Delivery with a Faulty Drone	Conf	ACDA	Jan 2025	Rejected	—
Optimal Delivery with a Faulty Drone [12]	Conf	CCCG	May 2025	Jun 2025	Co-author
Classic Heuristics for Online Scheduling [2]	Workshop	WORKS	Aug 2025	Sep 2025	J. Chamorro (Nov 17)
LLM Translation for Low-Resource Lang.	Conf	AAAI AISI	Aug 2025	—	—
Preemption in Dynamic Task Scheduling	Conf	ICPP	May 2025	Rejected	—
Scheduling Dynamic IoT Task Graphs [1]	Poster	SenSys	—	Mar 2025	M. Khodaban-dehlou
Chatbot for Endangered Language [3]	Poster	AmericasNLP	Jan 2025	Mar 2025	D. Cuadros (Apr 29)
SAGA Tutorial [13]	Tutorial	ICDCN	Sep 2025	Sep 2025	J. Coleman (Jan 2026)
Edge Computing at Tactical Edge [14]	Report	NATO STO	Aug 2025	Aug 2025	—

Accepted/Published   Under Review   Rejected

Summary: 11 accepted (7 conf, 1 journal, 2 posters, 1 tutorial), 2 under review, 2 rejections (1 resubmitted successfully)

Other Contributions

- **Adjunct Appointment at USC** (May 2025): Accepted to facilitate collaboration

Service

In 2025, I significantly expanded my service contributions across university, professional, and community domains. I took on leadership roles in multiple committees, including chairing the LMU Indigenous Working Group, joining the Seaver DEI Committee, and participating in both the CS and LMU-wide Generative AI Task Forces. My community engagement focused on Indigenous issues included organizing events, managing the Indigenous Community Hub website, and participating in advocacy efforts. Professionally, I served on an NSF review panel, multiple program committees, and as a reviewer for top journals and conferences. These activities demonstrate my commitment to LMU's mission of promoting equity, inclusion, and service to the broader community.

Committee Memberships

Committee	Level	Role	Joined	Description
Indigenous Working Group	University	Chair	Oct 2025	Elected Chair; previously active member
Seaver DEI Committee	College	Member	Aug 2025	Diversity, equity, and inclusion initiatives
LMU GenAI Task Force	University	Member	Aug 2025	University-wide policy on Generative AI
CS GenAI Task Force	Department	Member	Jul 2025	Documents on GenAI in higher education
AI & Indigenous Languages Workshop Committee	Professional	Chair	Sep 2025	Organizing committee for NSF-funded workshop
AAAI AISI Program Committee	Professional	Member	Sep 2025	AI for Social Impact track
WISDOM 2025 Program Committee	Professional	Member	Jul 2025	Workflows in support of large-scale science
CCGrid Artifact Evaluation Committee	Professional	Member	Mar 2025	Artifact evaluation

University/College/Dept   Professional

Events

Date	Event	Role	Description
Dec 3, 2025	IN FOCUS: Indigenous Representation	Organizer	Featured Tazbah Rose Chavez & Pamela J. Peters
Nov 12, 2025	LLL Series, Univ. of Illinois Chicago	Invited Speaker	Talk on LLMs and Endangered Language Revitalization
Oct 24, 2025	Seaver Family Night	Presenter	Gave Lightning Lecture
Oct 6, 2025	MILCOM 2025	Session Chair	Data Integrity & Threat Awareness session
Sep 18, 2025	NSF CSR PI Meeting	Attendee	Boca Raton, Florida
Sep 5, 2025	Univ. of Arizona Dept. of Linguistics	Invited Speaker	AI and Indigenous Language Revitalization
May 24, 2025	NSF DLI Community of Science	Attendee	Indigenous Language Preservation event
Mar 20, 2025	Indigenous Working Group Talk	Organizer	Hosted Teri Red Owl on Indigenous water rights
Jan 22, 2025	Seaver Lunch N' Learn	Attendee	International Collaborations with Indian Institutions

Professional Service (Reviewing & Organizing)

Venue	Type	Date	Role
NetCompute Workshop @ INFOCOM	Workshop	Nov 2025	Co-Organizer
SC 2025 Reproducibility Challenge	Conference	Jan 2025	Committee
NSF DLI-DEL Panel	Grant Panel	May 2025	Panelist
IEEE Transactions on Computers	Journal	Sep 2025	Reviewer
Discrete Applied Mathematics	Journal	Jun 2025	Reviewer
Theoretical Computer Science	Journal	Dec 2025	Reviewer
Int'l Journal of Computer Applications (IJCAT)	Journal	Jan 2025	Reviewer

Other Service & Engagement

- **LMU Indigenous Community Hub** (Jun 2025): Took over management and updated the website
- **Tribal Settlement Letter** (Aug 2025): Signed letter urging Los Angeles to commit to Tribal settlement negotiations (corresponding author: Sophia Borgias)
- **Kubishi Survey** (Jul 2025): Submitted IRB-approved survey on digital tools for Owens Valley Paiute Language Revitalization
- **Coinbase** (started Jan 2025): Consulting on using reinforcement learning to detect fraud in blockchain transactions

References

[1] Mohammadali Khodabandehlou, Jared Ray Coleman, and Bhaskar Krishnamachari. Poster abstract: Scheduling dynamic IoT task graphs. In *Proceedings of the ACM Conference on Embedded Networked Sensor Systems (SenSys)*, pages 624–625, 2025. doi: 10.1145/3715014. 3724039. URL https://doi.org/10.1145/3715014.3724039. Poster.

[2] Jason Chamorro, Gabriel Twigg-Ho, Jared Coleman, Tainã Coleman, Bhaskar Krishnamachari, and Mohammadali Khodabandehlou. Adapting classic scheduling heuristics for online execution under uncertainty. In *Proceedings of the Workshop on Workflows in Support of Large-Scale Science (WORKS) at SC25*, pages 2169–2180, Atlanta, GA, November 2025. doi: 10.1145/3731599.3767581. URL https://doi.org/10.1145/3731599.3767581. Lead author: undergraduate student Jason Chamorro.

[3] Diego Cuadros, Jared Coleman, et al. A chatbot for endangered language research. In *Proceedings of the Fifth Workshop on NLP for Indigenous Languages of the Americas (AmericasNLP) at NAACL*, Albuquerque, NM, April 2025. Poster; Lead author: undergraduate student Diego Cuadros.

[4] Jared Coleman. CRII: CSR: RUI: novel approaches for task graph scheduling algorithm design, evaluation, and comparison. NSF CISE Research Initiation Initiative (CRII) Grant, July 2025. URL https://www.nsf.gov/awardsearch/showAward?AWD_ID=2451267. Award Amount: $150,000; Award #2451267; First NSF grant as PI.

[5] Jared Coleman. Building scientific and collaborative capacity for AI in indigenous language research. NSF Conference Grant, August 2025. URL https://www.nsf.gov/awardsearch/showAward?AWD_ID=2542375. Award Amount: $50,000; Award #2542375.

[6] Jared Ray Coleman, Dmitry Ivanov, Evangelos Kranakis, Danny Krizanc, and Oscar Morales-Ponce. The power of knowledge in linear search for an escaping target. *Journal of Computer and System Sciences*, 157:103737, 2026. doi: 10.1016/j.jcss.2025.103737. URL https://doi.org/10.1016/j.jcss.2025.103737.

[7] Jared Ray Coleman, Dmitry Ivanov, Evangelos Kranakis, Danny Krizanc, and Oscar Morales-Ponce. Multimodal search on a line. In *Proceedings of the 32nd International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, pages 245–261, Delphi, Greece, June 2025. doi: 10.1007/978-3-031-91736-3_15. URL https://doi.org/10.1007/978-3-031-91736-3_15.

[8] Jared Ray Coleman and Bhaskar Krishnamachari. PISA: An adversarial approach to comparing task graph scheduling algorithms. In *Proceedings of the IEEE International Parallel and Distributed Processing Symposium (IPDPS)*, pages 54–66, 2025. doi: 10.1109/IPDPS64566.2025.00014. URL https://doi.org/10.1109/IPDPS64566.2025.00014.

[9] Jared Ray Coleman, Ravi Vivek Agrawal, Ebrahim Hirani, and Bhaskar Krishnamachari. Evaluating the impact of algorithmic components on task graph scheduling. In *Proceedings of the 28th Workshop on Job Scheduling Strategies for Parallel Processing (JSSPP) at IPDPS*, Milan, Italy, June 2025. To appear in Springer LNCS.

[10] Alessandro Amato, Harrie Bastiaansen, Jared Ray Coleman, Willem Datema, Mattia Fogli, Johan van der Geest, Bhaskar Krishnamachari, Thomas Kudla, Pablo Sanchez, and Niranjan

Suri. Evaluating scheduling algorithms for adaptive orchestration in federated tactical edge cloud environments. In *Proceedings of the International Conference on Military Communication and Information Systems (ICMCIS)*, pages 1–10, 2025. doi: 10.1109/ICMCIS64378.2025.11048181. URL https://doi.org/10.1109/ICMCIS64378.2025.11048181.

[11] Jared Ray Coleman and Oscar Morales-Ponce. Linear search with probabilistic detection and variable speeds. In *Proceedings of the International Workshop on Combinatorial Algorithms (IWOCA)*, pages 433–445, 2025. doi: 10.1007/978-3-031-98740-3_31. URL https://doi.org/10.1007/978-3-031-98740-3_31.

[12] Jared Ray Coleman, Danny Krizanc, Evangelos Kranakis, and Oscar Morales-Ponce. Optimal delivery with a faulty drone. In *Proceedings of the 37th Canadian Conference on Computational Geometry (CCCG)*, 2025. arXiv preprint: arXiv:2404.17711.

[13] Jared Coleman. Resilient scheduling in distributed systems: Benchmarking and adversarial analysis with SAGA. Tutorial at the 26th International Conference on Distributed Computing and Networking (ICDCN), 2025.

[14] Jared Coleman. Edge computing at the tactical edge. Technical report, NATO Science and Technology Organization, August 2025. Technical Report Chapter.

FACULTY SERVICE REPORT – CALENDAR YEAR 2025

The signatures below confirm that the department Chair's Written Report and Evaluation was provided to the individual faculty member on _____(MM/DD/YY) and that a FSR Discussion took place between the department Chair and individual faculty member on _____(MM/DD/YY).

_____
Name of Individual Faculty Member

_____   _____
Signature of Individual Faculty Member   Date

_____
Name of Department Chair

_____   _____
Signature of Department Chair   Date

OPTIONAL

I received and have read my department Chair's Written Report and Evaluation but I decline the opportunity to meet with my department Chair for an FSR discussion.

_____
Name of Individual Faculty Member

_____   _____
Signature of Individual Faculty Member   Date

OPTIONAL

I decline to sign this document and will provide my department Chair and Dean with a separate letter of dissent to be attached to this document.

_____
Name of Individual Faculty Member

_____   _____
Signature of Individual Faculty Member   Date