



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

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 and college support. 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.

| Semester | Course | Enroll | Units | Responses | Rate | Effect. (SD) |
|------------------------|--------------------|--------|-------|-----------|------|--------------|
| Spring 2025 | CMSI 2130 | 23 | 4 | 13/23 | 57% | 4.08 (1.19) |
| Spring 2025 | CMSI 6998 | 6 | 3 | 5/6 | 83% | 5.00 (0.00) |
| Fall 2025 | CMSI 2130 (Sec 01) | 12 | 4 | 11/12 | 92% | 4.73 (0.65) |
| Fall 2025 | CMSI 2130 (Sec 02) | 38 | 4 | 25/38 | 66% | 4.36 (0.99) |
| Aggregate (4 sections) | | 79 | 15 | 54/79 | 68% | 4.43 (0.96) |

Undergraduate Graduate

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)

Other Teaching Activities

- **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

Advising and Mentorship

| Name | Dates | Current Projects | Publications & Notes |
|----------------------------|--------------|--|---|
| Harsh Devisha | Fall 2025 | Cooperative mobile agent algorithms | Graduate Research Assistant |
| Mohammadali Khodabandehlou | Fall 2024 | Dynamic IoT task graph scheduling | “Poster Abstract: Scheduling Dynamic IoT Task Graphs” [1]; Co-advised (USC Ph.D.) |
| Jason Chamorro | Spring 2025– | Stochastic/online scheduling | “Adapting Classic Scheduling Heuristics for Online Execution under Uncertainty” [2] (lead author); LMU Symposium poster |
| Diego Cuadros | Fall 2024 | LLMs for Endangered Language Translation | “A Chatbot for Endangered Language Research” [3]; LMU Symposium poster |
| Nick Leeds | Spring 2025– | LLMs for Endangered Language Translation | — |
| Gabriel Twigg-Ho | Fall 2024– | Dynamic scheduling problems | “Adapting Classic Scheduling Heuristics for Online Execution under Uncertainty” [2] (co-author); Exchange student |
| Matias Martinez Gonzalez | Fall 2025– | Task Duplication in Scheduling | — |
| Nicholas Laus | Fall 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 my 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 | Extending SAGA, our library for comparing task scheduling algorithms [4] |
| NSF Conference Grant | \$50,000 | PI | Aug 2025 | Host a workshop at LMU on AI and Endangered Language Revitalization [5] |
| OpenAI API Credits | \$1,000 | PI | Jan 2025 | LLMs for Endangered Language Revitalization |
| 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 | Presented |
|--|----------|--------------|-----------|-----------------------|
| “The Power of Knowledge in Linear Search for an Escaping Target” [6] | Journal | JCSS | Aug 2025 | — |
| Multimodal Search on a Line (extended) | Journal | Algorithmica | Sep 2025 | — |
| “Multimodal Search on a Line” [7] | Conf | SIROCCO | — | J. Coleman (Jun 3) |
| “PISA: An Adversarial Approach to Comparing Task Graph Scheduling Algorithms” [8] | Conf | IPDPS | Oct 2024 | J. Coleman (Jun 5) |
| “Evaluating the Impact of Algorithmic Components on Task Graph Scheduling” [9] | Conf | JSSPP | Feb 2025 | J. Coleman (Jun 4) |
| “Evaluating Scheduling Algorithms for Adaptive Orchestration in Federated Tactical Edge Cloud Environments” [10] | Conf | ICMCIS | Jan 2025 | Co-author |
| “Linear Search with Probabilistic Detection and Variable Speeds” [11] | Conf | IWOCA | Mar 2025 | Co-author |
| Optimal Delivery with a Faulty Drone | Conf | ACDA | Jan 2025 | — |
| “Optimal Delivery with a Faulty Drone” [12] | Conf | CCCG | May 2025 | Co-author |
| “Adapting Classic Scheduling Heuristics for Online Execution under Uncertainty” [2] | Workshop | WORKS | Aug 2025 | J. Chamorro (Nov 17) |
| LLM Translation for Low-Resource Lang. | Workshop | LoResMT | Dec 2025 | — |
| LLM Translation for Low-Resource Lang. | Conf | AAAI AISI | Aug 2025 | — |
| Preemption in Dynamic Task Scheduling | Conf | ICPP | May 2025 | — |
| “Poster Abstract: Scheduling Dynamic IoT Task Graphs” [1] | Poster | SenSys | Feb 2025 | M. Khodabandehlou |
| “A Chatbot for Endangered Language Research” [3] | Poster | AmericasNLP | Jan 2025 | D. Cuadros (Apr 29) |
| <i>Resilient Scheduling in Distributed Systems: Benchmarking and Adversarial Analysis with SAGA</i> [13] | Tutorial | ICDCN | Sep 2025 | J. Coleman (Jan 2026) |
| <i>Edge Computing at the Tactical Edge</i> [14] | Report | NATO STO | Aug 2025 | — |

Accepted/Published

Under Review

Rejected

Other Contributions

- **Adjunct Appointment at USC** (May 2025): Accepted to facilitate collaboration and co-advising with USC faculty and students

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-Chair |
| 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): Conducted and published 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)*. Poster. 2025, pp. 624–625. DOI: [10.1145/3715014.3724039](https://doi.org/10.1145/3715014.3724039). URL: <https://doi.org/10.1145/3715014.3724039>.
- [2] Jason Chamorro et al. “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*. Lead author: undergraduate student Jason Chamorro. Atlanta, GA, Nov. 2025, pp. 2169–2180. DOI: [10.1145/3731599.3767581](https://doi.org/10.1145/3731599.3767581). URL: <https://doi.org/10.1145/3731599.3767581>.
- [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*. Poster; Lead author: undergraduate student Diego Cuadros. Albuquerque, NM, Apr. 2025.
- [4] Jared Coleman. *CRII: CSR: RUI: Novel Approaches for Task Graph Scheduling Algorithm Design, Evaluation, and Comparison*. NSF CISE Research Initiation Initiative (CRII) Grant. Award Amount: \$150,000; Award #2451267; First NSF grant as PI. July 2025. URL: https://www.nsf.gov/awardsearch/showAward?AWD_ID=2451267.
- [5] Jared Coleman. *Building Scientific and Collaborative Capacity for AI in Indigenous Language Research*. NSF Conference Grant. Award Amount: \$50,000; Award #2542375. Aug. 2025. URL: https://www.nsf.gov/awardsearch/showAward?AWD_ID=2542375.
- [6] Jared Ray Coleman et al. “The Power of Knowledge in Linear Search for an Escaping Target”. In: *Journal of Computer and System Sciences* 157 (2026), p. 103737. DOI: [10.1016/j.jcss.2025.103737](https://doi.org/10.1016/j.jcss.2025.103737). URL: <https://doi.org/10.1016/j.jcss.2025.103737>.
- [7] Jared Ray Coleman et al. “Multimodal Search on a Line”. In: *Proceedings of the 32nd International Colloquium on Structural Information and Communication Complexity (SIROCCO)*. Delphi, Greece, June 2025, pp. 245–261. DOI: [10.1007/978-3-031-91736-3_15](https://doi.org/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)*. 2025, pp. 54–66. DOI: [10.1109/IPDPS64566.2025.00014](https://doi.org/10.1109/IPDPS64566.2025.00014). URL: <https://doi.org/10.1109/IPDPS64566.2025.00014>.
- [9] Jared Coleman et al. “Evaluating the Impact of Algorithmic Components on Task Graph Scheduling”. In: *Job Scheduling Strategies for Parallel Processing*. Ed. by Dalibor Klusáček, Julita Corbalán, and Gonzalo P. Rodrigo. Cham: Springer Nature Switzerland, 2026, pp. 243–262. ISBN: 978-3-032-10507-3. DOI: [10.1007/978-3-032-10507-3_13](https://doi.org/10.1007/978-3-032-10507-3_13). URL: https://doi.org/10.1007/978-3-032-10507-3_13.
- [10] Alessandro Amato et al. “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)*. 2025, pp. 1–10. DOI: [10.1109/ICMCIS64378.2025.11048181](https://doi.org/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)*. 2025, pp. 433–445. DOI: [10.1007/978-3-031-98740-3_31](https://doi.org/10.1007/978-3-031-98740-3_31). URL: https://doi.org/10.1007/978-3-031-98740-3_31.
- [12] Jared Ray Coleman et al. “Optimal Delivery with a Faulty Drone”. In: *Proceedings of the 37th Canadian Conference on Computational Geometry (CCCG)*. 2025. URL: <https://cccg-wads-2025.eecs.yorku.ca/cccg-papers/7A2.pdf>.
- [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. URL: <https://sites.google.com/view/icdcn2026/program/tutorials>.
- [14] Jared Coleman. *Edge Computing at the Tactical Edge*. Tech. rep. Technical Report Chapter. NATO Science and Technology Organization, Aug. 2025.

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